



# **FAYETTEVILLE STATE UNIVERSITY**

**FORT BRAGG-  
POPE AIR  
FORCE BASE  
CENTER**

**1977-  
1979  
CATALOG**



*1877-1977 "100 YEARS OF EXCELLENCE"*

Fayetteville State University, in keeping abreast of the ever changing times, reserves the right to change, delete or add to any part of this publication as it deems necessary for the good of the University family. Every attempt will be made to keep change to a minimum to provide a smooth transition for all students. However, any provision of this catalogue should not be regarded as irrevocable.

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**FORT BRAGG—POPE AIR FORCE BASE  
CENTER**

**1977-78 CATALOG**

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## **CHANCELLOR'S MESSAGE**

Fayetteville State University has actively and aggressively served the people of Southeastern North Carolina for the past 100 years. This institution was founded by a group of men who were committed to the cultivation of the human intellect. That commitment has survived and flourished and is an integral part of Fayetteville State University in the twentieth century.

We firmly believe that the rule of this institution is to provide a means for fulfilling the needs of all of the people in our geographic area, however diverse and multicultural their needs may be. We are committed to helping people irrespective of race, creed, or color.

During our Centennial, this institution rededicates itself to the principles upon which it was founded and to the educational tasks which are before us as we pursue the goal of a "Full Service University."

The students we have served, are now serving, and will continue to serve, reflect our continuous contribution to society. We encourage you, the student, our client, to visit our campus and meet our faculty and expose yourself to the contagious commitment and enthusiasm of a dedicated faculty.

Charles "A" Lyons, Jr.  
*Chancellor*

# **THE UNIVERSITY OF NORTH CAROLINA**

## **Sixteen Constituent Institutions**

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President

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Vice President — Academic Affairs

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Assistant to the President

ROSCOE D. McMILLAN, JR., B.S., Assistant to the  
President for Governmental Affairs

RICHARD H. ROBINSON, JR., A.B., LL.B., Assistant to  
the President

ROBERT W. WILLIAMS, A.B., M.A., Ph.D.,  
Associate Vice President — Academic Affairs

The University of North Carolina was chartered in 1789 and opened its doors to students at its Chapel Hill campus in 1795. Throughout most of its history, it has been governed by a Board of Trustees chosen by the Legislature and presided over by the Governor. During the period 1917-1972, the Board consisted of one hundred elected members and a varying number of *ex officio* members.

By act of the General Assembly in 1931, without change of name, it was merged with the North Carolina College for Women at Greensboro and The North Carolina State College of Agriculture and Engineering at Raleigh to form an institution designated The University of North Carolina.

In 1963 the General Assembly changed the name of the campus at Chapel Hill to The University of North Carolina at Chapel Hill and that at Greensboro to The University of North Carolina at Greensboro, and in 1965 the name of the campus at Raleigh was changed to North Carolina State University at Raleigh.

Charlotte College was added as The University of North Carolina at Charlotte in 1965, and in 1969 Asheville-Biltmore College and Wilmington College became The University of North Carolina at Asheville and The University of North Carolina at Wilmington respectively.

A revision of the North Carolina State Constitution adopted in November 1970 included the following: "The General Assembly shall maintain a public system of higher education, comprising the University of North Carolina and such other institutions of higher education as the General Assembly may deem wise. The General Assembly shall provide for the selection of trustees of The University of North Carolina . . . ." In slightly different language, this provision had been in the Constitution since 1868.

On October 30, 1971 the General Assembly in special session merged, without changing their names, the remaining ten state-supported senior institutions into the University as follows: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This merger, which resulted in a statewide multi-campus university of sixteen constituent institutions, became effective on July 1, 1972.

The constitutionally authorized Board of Trustees was designated the Board of Governors, and the number was reduced to thirty-two members elected by the General Assembly, with authority to choose their own chairman and other officers. The Board is "responsible for the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." Each constituent institution, however, has its own board of trustees of thirteen members, eight of whom are ap-

pointed by the Board of Governors, four by the Governor, and one of whom, the elected president of the student body, serves *ex officio*. The principal powers of each institutional board are exercised under a delegation of authority from the Board of Governors.

Each institution has its own faculty and student body, and each is headed by a chancellor as its chief administrative officer. Unified general policy and appropriate allocation of function are effected by the Board of Governors and by the President with the assistance of other administrative officers of the University. The General Administration office is located in Chapel Hill.

The chancellors of the constituent institutions are responsible to the President as the chief administrative and executive officer of The University of North Carolina.



# **BOARD OF GOVERNORS THE UNIVERSITY OF NORTH CAROLINA**

William A. Johnson, *Chairman*  
Mrs. Howard Holderness, *Vice Chairman*  
E. B. Turner, *Secretary*

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2728 Bennington Road  
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Mr. Charles W. Fairley  
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Mr. William Stanback, Ex Officio  
President of SGA  
Fayetteville State University  
Fayetteville, NC 28301

Mrs. Fred Weaver  
407 Elliott Road  
Chapel Hill, NC 27514

## **FAYETTEVILLE STATE UNIVERSITY ADMINISTRATION**

Dr. Charles "A" Lyons, Jr. .... Chancellor of the University  
Dr. DeField T. Holmes .... Provost and Vice Chancellor  
for Academic Affairs  
Dr. Sydney A. Reid .... Dean, Fort Bragg Center  
Dr. Barbara Holmes .... Director of Institutional Research  
and Planning  
Mr. John V. Parham .... Vice Chancellor for Financial Affairs

## **FORT BRAGG CENTER ADMINISTRATION**

Dr. DeField T. Holmes .... Provost and Vice Chancellor  
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Dr. Sydney A. Reid .... Dean  
Mrs. Delores Hayes .... (On Leave) .... Director,  
Weekend College  
Mr. Charles A. Darlington .... Admissions Officer/Adviser,  
Acting Director, Weekend College  
Mr. Guilford Bass .... Director, On-Duty Program  
Mr. William C. Freeman .... Coordinator, Satellite Campuses  
Mr. McBert Higginbotham .... Administrative Officer  
Mrs. Mary Henson .... Assistant Registrar  
Mrs. Rosia M. Freeman .... Accountant  
Mr. Frank A. Cannavo .... Administration and Supply Officer  
Mr. Robert Keys .... Administration and Evening Supervisor

## **CENTER FOR CONTINUING EDUCATION ADMINISTRATION**

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Dr. James C. Edmundson .... Director of Studies and  
Reporting Services  
Mr. William O. Beasley .... Associate Director of Studies  
and Reporting Services

# **PURPOSE, MISSION, AND OBJECTIVES**

## **PURPOSE**

The Fort Bragg-Pope Air Force Base Center of Fayetteville State University considers that the central purpose of higher education is to provide an opportunity for students to become gainfully employed and to learn to live as responsible members of a free society.

In learning how to live, all aspects of living — the mental, the physical, and the spiritual — may be covered by the various academic disciplines. The aim of the University is to enable students to establish life styles which permit them to enjoy the rewards of living a full life consistent with the maximum use of their talents and the norms of our free society.

It is expected that students will be gainfully employed upon leaving the University, thus becoming self-supporting citizens who contribute to our society. Although higher education does not include technical education, it does, by concentration on concepts, enable students to occupy professional positions within our society and to discharge effectively the duties related to such positions. This purpose implies that the administrators and teachers make every effort to insure that instruction is relevant to situations in the real world.

Further, the University aspires to enable students to become responsible citizens and to become more accountable to the people; thus, it holds the administrators and teachers accountable for providing the best possible instruction for students. In turn, the administrators and teachers are expected to hold students accountable for carrying out academic assignments; such a process serves as an illustration of one approach that gives students an appreciation of the meaning of responsibility. The goal is for students not only to become capable of discharging the responsibilities associated with positions in our society but also to possess a willingness to accept such responsibilities.

The University holds that all instruction should point towards living in a free society. The concepts of freedom are those which guided our forefathers in founding our country, and these concepts have been constantly defended in war and peace. Students who enroll in the University programs have the opportunity to acquire a full appreciation of the meaning of all aspects of our freedom with a view of their becoming ever vigilant in its defense.

## **MISSION**

In keeping with the above central purpose of higher education, it is the mission of the Fort Bragg-Pope Air Force Base Center of Fayetteville State University to provide higher educational opportunities for the members of this military community and for their dependents.

## **OBJECTIVES**

Contributing to the accomplishment of the mission, the established objectives are as follows:

1. To provide undergraduate educational opportunities in accordance with the charter of the Servicemen's Opportunity College (SOC). For details concerning the SOC agreement, see page
2. To provide undergraduate instruction permitting completion of two-year and four-year degree programs, affording the students a broad range of subjects to satisfy their interests.
3. To provide instruction at times and in the form which is precluded only by the servicemen's duty to their country.
4. To provide maximum flexibility in the transfer of credits, which takes into consideration the mobility inherent in service life.
5. To maintain the highest standards of academic excellence at all times.

## **PROGRAM AVENUES**

Fayetteville State University, Fort Bragg-Pope A.F.B. Center offers various avenues for one to pursue his educational objectives, such as:

### **1. On-Duty Education**

This program enables military personnel, dependents and civilians to attend college during regular duty hours. Classes are scheduled Monday through Friday from 0900 to 1650, for a 6 week period.

The On-Duty Education program provides military personnel with the opportunity to start his college education, continue his college education, and complete an Associate of Arts degree program. For further information contact the Director of the On-Duty Education Program.

### **2. Regular**

This program is designed to provide the working clientele

with an opportunity to begin or further their educational pursuits by providing evening classes. Although the majority of these courses are scheduled in the evening from 1830-2120, Monday through Friday, additional courses are arranged at earlier hours, such as 0900-1150 and 1500-1750.

### 3. Weekend

The opportunity for working men and women to complete a college education is offered by attending classes on Friday night and Saturday.

Degree programs offered through the Weekend College are regular Fayetteville State University degree programs. All courses offered are degree requirements or electives relevant to specific degree programs.

The curriculum is designed to meet the various academic needs of those with incomplete college educations; those who have Associate of Arts degrees and are now interested in a baccalaureate degree; in-service teachers who need renewal or recertification credits; and those high school graduates who never attended college previously but wish to do so now. Courses are also available on a non-degree basis for personal enrichment and upgrading of one's occupational skills.

Students may take a minimum of three semester hours or a maximum of fifteen semester hours credit depending upon personal obligations.

## **HISTORICAL SKETCH**

### **FAYETTEVILLE STATE UNIVERSITY**

The University of North Carolina was chartered in 1789 and opened its doors to students in 1795. It became a multi-campus University by an act of the General Assembly in 1931 when The University of North Carolina at Chapel Hill, the North Carolina College for Women at Greensboro (now University of North Carolina at Greensboro) and the North Carolina State College of Agriculture and Engineering at Raleigh (now North Carolina State University at Raleigh) were merged.

On October 30, 1971, the General Assembly redefined the University of North Carolina to consist of sixteen constituent universities, including Fayetteville State University. The merger became effective on July 1, 1972.

Fayetteville State University is the second oldest of the sixteen constituent universities of The University of North Carolina. It was



established by Senate Bill Number 472, which was ratified by the General Assembly on March 8, 1877. Its present name was given by the General Assembly in 1969.

### **HIGHER EDUCATION AT FORT BRAGG-POPE A.F.B.**

Since the close of World War II, several colleges and universities have conducted extension courses at Fort Bragg and Pope A.F.B. Most of these extension courses were offered by North Carolina State University. The extension program did not fully meet the need of students desiring transfer credit and programs leading to degrees. In July, 1964, North Carolina State University and Fort Bragg agreed to establish a branch of North Carolina State University at Fort Bragg. The Center began operations in September, 1964. On July 1, 1973, the responsibility for the operation of all undergraduate courses was transferred from North Carolina State University to Fayetteville State University. Graduate programs are offered by North Carolina State University and East Carolina University, with Fayetteville State University providing coordination and administrative support.

### **NON-DISCRIMINATION STATEMENT OF FAYETTEVILLE STATE UNIVERSITY, TITLE IX**

Fayetteville State University is dedicated to equality of opportunity within its community. Accordingly, Fayetteville State University does not practice or condone discrimination in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, sex, age, or handicap. The University commits itself to positive action to secure equal opportunity regardless of those characteristics.

Fayetteville State University supports the protections available to members of its community under all applicable federal laws including Titles IV and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 799A and 845 of the Public Health Service Act, the Equal Pay and Age Discrimination Acts, the Rehabilitation Act of 1973, and Executive Order 11246.

### **GENERAL STATEMENT ON THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974**

Under the provisions of the Family Educational Rights and Privacy Act of 1974, Fayetteville State University guarantees to



each of its students the following:

1. Access to Education Records

Each student enrolled at Fayetteville State University shall have the right to inspect and review his or her academic record and disciplinary files with the following exceptions. The request should be made fifteen days prior to the actual date of review:

- A. Financial records of the parents of the student or any information contained therein.
- B. Confidential letters and statements of recommendation which were placed in the education records prior to January 1, 1975, if such letters or statements are not used for purposes other than those for which they were specifically intended.
- C. Personal notes of teachers.
- D. Medical and psychiatric records.

2. Waiver of Right of Access

A student may waive his right of access.

3. Release of Information

Fayetteville State University will not release educational records or personally identifiable information contained therein other than directory information without the written consent of the student to any individual agency or organization other than to the following:

- A. Other school officials, including teachers within the educational institution.
- B. Authorized representatives of
  - (1) The Comptroller General of the United States
  - (2) The Secretary of HEW
  - (3) State educational authorities
- C. In connection with a student's application for or receipt of financial aid.
- D. Accrediting organizations in order to carry out their accrediting functions.

4. Opportunity for Hearing

Students must be afforded the opportunity of a hearing to challenge the contents of his or her school record where inaccuracies, misleading information, or violation of rights of privacy or other rights are alleged.

## **STATEMENT OF EQUAL EMPLOYMENT OPPORTUNITY POLICY**

Fayetteville State University adheres to a policy of equal employment opportunity in all personnel actions and in every phase of business activity as espoused in Title VIII of the Civil Rights Act of 1964 and Presidential Executive Order 11246 dated September 24, 1965 as amended.

The Affirmative Action Committee of the University has been assigned the responsibility for monitoring and evaluating the Equal Employment Opportunity Program and has been given specific functions to be carried out with the assistance of the Equal Employment Opportunity Officer. Problems encountered or alleged to have been encountered should be directed to the committee by the aggrieved party.

The University's Affirmative Action Program must ensure that equal employment opportunity is afforded to all applicants and employees without regard to race, creed, color, religion, sex, age, or national origin. Such actions shall include, but not be limited to employment, upgrading, demotion, transfers, recruitment or recruitment advertisement, layoff or termination, return from layoff, compensation, benefits, University-sponsored training, education, tuition assistance, and social and recreation programs.

# **ADMISSIONS**

## **FRESHMAN ADMISSIONS REQUIREMENTS**

Admission to the freshman class is based upon:

1. Sixteen acceptable units of high school credit, to include:

English	4 units
Mathematics	2 units
Science	2 units
Social Studies	2 units
Electives	6 units
2. Certification of graduation, or its equivalent, from an accredited secondary school.
3. A satisfactory scholastic record and a satisfactory score on the Scholastic Aptitude Test (SAT scores not applicable to transfer students).
4. Appropriate recommendations.
5. A ten dollar (\$10.00) non-refundable application fee payable by money order, cash, or cashier's check made payable to Fayetteville State University.

Admission to the University is under the jurisdiction of the Admissions Officer from whose office applications for admission may be obtained.

Address all inquiries relating to admissions to:

Admissions Officer  
Fayetteville State University  
P. O. Box 156  
Fort Bragg, NC 28307

## **ADMISSIONS CLASSIFICATIONS**

### **UNCONDITIONAL ADMISSION**

A student is classified as an unconditional student for admission classification purposes when he meets full admission criteria: (1) Overall "C" average or above; (2) Satisfactory score on the SAT; (3) Rank in top two-thirds of graduating class; (4) Student has graduated from an accredited high school or presents certification of completion of a high school equivalency program.

### **CONDITIONAL ADMISSION**

Applicants who meet the admissions criteria but have indications of weaknesses of a specific deficiency in their high school experience and/or did not earn a satisfactory SAT score may be admitted

conditionally. These students will be permitted to enter a restricted college-level program on the basis of an analysis of their respective academic potentials. A limitation of thirteen semester hours for the first semester of study is imposed upon conditionally admitted students. A conditional student who fails to earn an average of "C" or above during his first two semesters of work will subsequently be subject to the Academic Retention, and/or Probation and Suspension rule that is in effect for any other student.

Transfer credits from a non-accredited institution are provisionally accepted and will be validated after the student has completed one academic year with Fayetteville State University with at least a 2.00 average each semester. Only those courses which are equivalent to courses offered at Fayetteville State University will be credited toward the Baccalaureate degree.

IN ORDER TO GRADUATE, EACH TRANSFER STUDENT WILL COMPLETELY SATISFY ALL DEPARTMENTAL COURSE REQUIREMENTS IRRESPECTIVE OF NUMBER OF SEMESTER HOURS REQUIRED AND/OR ACCUMULATED.

## **FOREIGN STUDENTS**

The University welcomes qualified foreign students. Secondary-and/or university-level credentials must be properly certified and presented to the Office of Admissions along with a formal application for admission and the required fee.

The applicant must score satisfactorily on the test of English as a foreign language administered by the College Entrance Examination Board or an English Proficiency Examination administered by the Cultural Attache of the American Consulate or Embassy.

## **EARLY ADMISSION PROGRAM**

The Early Admission Program provides opportunity for promising high school students to take college-level courses while in high school. Applicants who have completed their junior year must submit a formal application for admission, must present combined SAT scores of 900 or above, as well as above-average grades and recommendations from counselors or principals.

For further information, contact Admissions Officer; Fayetteville State University; P. O. Box 156; Fort Bragg, NC 28307.

## **PROVISIONAL ADMISSION**

Qualified applicants are accepted for admission pending receipt of all official credentials.

## **SPECIAL STUDENTS**

A Special Student is hereby defined as a student who is taking courses for some reason other than toward a degree from Fayetteville State University. Normally the student must submit evidence of eligibility to pursue college-level courses and must apply for admission as a Special Student.

The applicant may be required to submit SAT scores, references, or other appropriate credentials at the discretion of the Office of Admissions. For administrative purposes, the Office of Admissions reserves the right to classify any student applying for admission to the University as a Special Student for initial admission purposes pending receipt of applicant's full credentials.

## **READMISSION**

Students who have not been attending the University for two consecutive terms must apply for readmission. Applications for readmission may be obtained from the Office of Admissions.

## **TRANSFER STUDENTS**

Students who wish to attend Fayetteville State University after having attended other colleges, universities, junior colleges, or technical institutes are encouraged to apply for admission to the University.

The University accepts those applicants who have maintained an overall "C" average at their former institution(s). Each transfer applicant must present an official transcript of his academic record from each institution previously attended. Transcripts received by the University will not be forwarded to other colleges or universities.

A transfer student from an accredited senior college must spend a minimum of twenty-four (24) semester hours in residence at Fayetteville State University and fulfill all course requirements for his degree program.

Credits in an Associate of Arts degree or an Associate of Science degree from an accredited junior college or courses completed by graduates of a college parallel program in state-approved community colleges and technical institutes will be accepted without validation. The student must, however, meet the requirements of his Fayetteville State University major, even if it means taking freshman- and/or sophomore level courses.

Credits for students who do not complete the junior college program, the community college parallel program, or the Associate of

Arts degree program will be evaluated on a per-course basis; and credit will be awarded; but the grades earned will not be computed in the grade point average at Fayetteville State University.

## **SERVICEMEN'S OPPORTUNITY COLLEGE (SOC)**

Fayetteville State University is a Servicemen's Opportunity College. The Servicemen's Opportunity College is a network of institutions across the country and overseas which have recognized and responded to expectations of servicemen and women for adult, continuing education.

For information relating to contractual degrees through SOC, contact the Admissions Officer of the University.

## **TRANSFER OF CREDIT**

### **COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

The University recognizes the General and Subject Examinations of the College Level Examination Program and grants credits on the basis of satisfactory scores earned on the College Level Examination Program.

1. CLEP General Examination: Fayetteville State University will grant six semester hours of credit for scores of 425 or above the 25th percentile for the five parts of the General Examination.
2. CLEP Subject Examination: Credit for Subject Examinations will be awarded only if the score is above the 25th percentile or meets the minimum requirements recommended by the Commission of Accreditation of Service Experience (CASE), Defense Activity for Non-Traditional Educational Support (DANTES), and the American Council on Higher Education.

### **TRANSFER CREDITS FROM MILITARY SCHOOLS, EXPERIENCES, AND DEFENSE ACTIVITY FOR NON-TRADITIONAL EDUCATIONAL SUPPORT (DANTES)**

Credit for courses taken in military schools, military experiences, etc. are based on recommended credits for military courses in the Guide to the Evaluation of Educational Experiences in the Armed Services by the American Council on Higher Education.

Veterans and in-service personnel who have completed basic training in the military may receive a total of three (3) semester hours credit for service education requirements at the freshman level, i.e. Physical Education 000-130 (1 semester hour) and HED



112 Personal Hygiene (2 semester hours). Veterans must furnish the Admissions Officer a copy of their DD 214 to substantiate the award of these credits. In-service personnel will be furnished the appropriate forms for completion at the time they apply for admission.

### **INSTITUTIONAL CHALLENGE EXAMINATION (ICE)**

The degree (candidate) student at Fayetteville State University who has an overall cumulative average of 3.20 may earn credit by the Institutional Challenge Examination (ICE) by scheduling a conference with the Admissions Officer, who will refer the student to the appropriate coordinator. Following the coordinator's advisement and previous approval of the Dean, the student will then procure the required ICE forms from the Registrar for implementation. Upon approval of the ICE request, the Registrar will notify the student that he may now register for the ICE. No coordinator or designee may administer an ICE to any student unless a class permit card is presented. The coordinator or designee, upon receipt of a class permit card for an ICE, will confer with the student to determine his readiness for the examination; and after two or more conferences, will establish a time for the examination. The coordinator or designee will design, administer, and evaluate the examination, acquainting the student with the evaluation and recording an earned letter grade. Normally, ICEs should be scheduled during the first three days of the term.

Permission for the examination will be given only in those instances which the student has already gained a fundamental knowledge of the subject through prior preparation or experience (not including a foreign language which is the applicant's native tongue) or where the course is critically needed for graduation.

The student may not challenge to take an examination if he has audited or taken the course for credit or received credit for a higher-numbered or subsequent course in the same field.

The student may challenge by examination a specific course only one time. An example is ENG 110 Grammar and Composition.

ICE will not be indicated as such on the student's record. Credits earned through ICE will be used in computation of the student's quality point average.

ICE in required courses of the student's major and minor may be taken to determine whether or not the student may obtain credit for these courses and, where applicable, to provide evidence for teacher certification.

The student who is a candidate for the Associate of Arts degree may challenge no more than six semester hours through ICE. The candidate for the Baccalaureate degree may challenge no more than nine semester hours through ICE. Should the recipient of an Associate of Arts degree elect to continue his program of study at the Fort Bragg-Pope A.F.B. Center to satisfy requirements for a Baccalaureate degree, the hours will not be cumulative.

## **TUITION AND FEES**

### **BASIC COST**

Undergraduate tuition is thirty-five dollars (\$35.00) per semester hour. A laboratory fee of ten dollars (\$10.00) is charged for courses requiring laboratory work.

### **TUITION ASSISTANCE**

Government assistance is available to all active duty military personnel. The cost of tuition for the active military is \$8.75 per semester hour, which is one-fourth of the tuition. The government provides the remaining three-fourths of the total tuition.

### **V.A. ASSISTANCE**

The G.I. Bill Assistance is available to those eligible on active duty in the military. All inquiries relating to the utilization of educational entitlements should be addressed to the Admissions Officer.

### **OTHER FEES AND EXPENSES**

Application Fee (degree candidates)	\$10.00
Laboratory Fee	\$10.00
Student Teaching Fee	\$25.00
Graduation Fee	\$40.00
Transcript Fee	\$ 3.00

### **METHODS OF PAYMENT**

Total registration fees (tuition and laboratory fees) are payable in full on the day of registration of each term. No student will be permitted to attend until all required fees are paid. PAYMENTS MUST BE MADE IN EITHER CASH, CASHIER'S CHECK, OR MONEY ORDER. No personal checks are accepted.

### **REFUNDS**

Refunds are made on an individual basis at the discretion of the Provost/Vice Chancellor for Academic Affairs or the Dean. In the



event classes are canceled, refunds are made automatically. All refunds will be made by check and mailed to the student.

## **ACADEMIC AFFAIRS**

### **ACADEMIC REGULATIONS**

The student will be guided by the catalog that is in effect at the time of his entrance up to one year beyond the time he would be expected to graduate carrying a normal load. If a student fails to graduate within this period, his graduation will be governed by the catalog that is current at the time he applies for graduation.

Except for circumstances beyond the institution's control, curriculum changes which take place during a student's matriculation will alter only those courses that are on or above his level of classification, not those below his classification.

The students are advised to thoroughly familiarize themselves with the regulations of the University. Students are solely responsible for complying with all regulations of the University, of their respective divisions, the departments from which they take courses, and for fulfilling all requirements for their particular degrees.

### **DISHONESTY IN ACADEMIC MATTERS**

Every student is expected to maintain the highest standards of honorable conduct in academic matters. Reprehensible conduct or failure to comply with University regulations may result in a student's dismissal from a course or from the University at any time.

Non-disclosure or misrepresentation on applications and other University records will make a student liable for disciplinary action, including possible dismissal from the University.

### **REGISTRATION**

All students will register at the time designated by the Office of the Registrar. The student will have the opportunity to register early, but final registration is dependent on both the payment of fees and processing of the student packet through the Registrar's Office.

No one is considered to be enrolled in the University until he has completed all registration requirements to include the payment of fees.

All students must register at the beginning of each term whether they attended the previous term or not. There is a period of late registration up until the second class meeting. Later registration

may be permitted under extenuating circumstances, provided that prior approval is granted by the instructor.

The courses for which a student is registered at the close of the Drop and Add period will constitute the office registration. No student will receive credit for any course or courses for which he is not properly registered, and will receive a letter grade of "E" in all courses registered but not attended.

## **CHANGES IN REGISTRATION**

Drop and Add: Changes in a student's registration may be made until the last day of the late registration.

At the close of late registration, the courses for which a student is registered constitute official registration and course load for that term.

No student will receive credit for any course for which he is not properly registered.

## **REGISTERING FOR COURSES IN SEQUENCE**

At each registration period, students in degree programs are required to register for those courses which are below and on their level of progress, giving priority to those below, before registering for courses in advance of their level of progress. If a student refuses to register in conformity with this policy, his department coordinator will not sign his registration materials until the student has signed a statement assuming full responsibility for his course sequence deviation. The statement must include the following regarding the course(s) for which the student declined to register:

1. Course number
2. Course description
3. Term involved

The statement is also signed by the student's department coordinator and is forwarded to the Office of the Registrar for inclusion in the student's file.

Students who sign a course sequence deviation statement assume responsibility for whatever difficulty, if any, they experience at any subsequent time in satisfying the requirements of the course(s) they declined to pursue at the time they were advised to do so.

## **COURSE LOAD**

The normal load for a regular student is six semester hours per term as shown for his particular curriculum in the catalog. Generally, normal load varies from a minimum of three to a maxi-

num of nine semester hours per term.

Students may not register at another institution when in regular attendance at the University unless proper approval has been secured, in which case the hours taken will be considered a part of the normal load. In no case will a student be permitted to carry more than 21 semester hours of work during a semester. Students who have a cumulative grade point average of 3.20 or more and wish to pursue additional hours should file an application with their department coordinator, who in turn will forward the request to the Dean for final approval.

## CUMULATIVE GRADE POINT AVERAGE

The cumulative grade point average is determined by dividing the total number of grade points earned by the total number of semester hours pursued, including those for which an "E", "WE", or "DE" was assigned. However, if a course in which a grade of "E", "WE", or "DE" was assigned is repeated, only the last grade will be included in the grade point average computation.

Grade point calculations are made at the close of Terms II, IV, and VI each academic year. Summer sessions grades (Terms V and VI) are computed as a separate semester, whether the student pursued study at Fayetteville State University or at another institution.

Grade points are computed by multiplying the number of semester hour credit by 4 for courses in which a grade of "A" is earned; by 3 for a grade of "B"; by 2 for a grade of "C"; and 1 for a grade of "D". No grade points are assigned for a grade of "E".

A student who earned grades as follows for a given semester would earn the grade points and grade point average indicated.

Course	Grade	Credit	Grade Point
ENG 110	B	3	9
BIO 111	C	3	6
MAT 120	D	3	3
PHL 210	A	3	12
PED 000	A	3	4
			<hr/> 34

To calculate the cumulative grade point average, divide the total number of grade points by the total number of credits attempted.  
( $34 \div 13 = 2.62$ )

If a student repeats a course in which a grade of "E" was earned, only the last grade and credit are included in the cumulative grade point average. Each attempt is recorded on the transcript.

## INCOMPLETE GRADES

A grade of "I" is assigned when a student has maintained a passing average; but for reasons beyond his control, he has not completed some specific course requirement(s) such as a report, field experience, or experiment. The grade of incomplete must be removed before the end of the next term in which the student is enrolled, or within one year from the end of the term in which the grade was assigned, whichever period is shorter. Failure to remove the "I" within the stipulated period will cause it to be automatically converted to a grade of "E" for the course. It is the student's responsibility to initiate action to remove it.

A grade of "X" indicates that the student was absent from a final comprehensive course examination for a legitimate reason. Regulations which govern the removal of an "I" also apply to the removal of an "X". Instructors who report grades of "I" and "X" must indicate on each copy of their reports the specific course requirements which remain to be satisfied.

## GRADING SYSTEM AND GRADE POINTS

The University grades on a four-point system. When all course requirements have been completed, normally at the end of each term, each student is assigned a grade for each course in which he is officially enrolled. The grade assigned represents the quality of work the student has done during the term. Letter grades are assigned, and each one has a numerical equivalent and grade point value as shown below:

Letter Grade	Numerical Limits	Grade Point Value
		Per Semester Hours
A	92-100	4
B	83- 91	3
C	74- 82	2
D	64- 73	1
E	63-Below (Failure)	0

NOTE: The minus and plus symbols are not used.

## GRADES

The four passing grades and their values are as follows:

"A" indicates excellence — 4 grade points per semester hour.

"B" denotes achievement distinctly above average — 3 grade points per semester hour.

"C" represents satisfactory or average achievement — 2 grade

points per semester hour.

“D” designates work that meet the requirements of the course — 1 grade point per semester hour.

Grades which do not carry a numerical equivalent or grade point value include the following:

“I” Incomplete

“X” Absent from final comprehensive examination

“WE” & “WP” Official withdrawal from a course more than two weeks after the close of registration while either passing or failing

“DP” & “DE” Dropped from a course for excessive absences while passing or failing

“AU” Course was audited

“S” Requirements satisfactorily met for non-credit course

“U” Course requirement not satisfactorily met for non-credit course; must repeat the course

“E” Student has failed the course

“W” Withdrew during first two weeks

## **CHANGING A GRADE**

Once a grade has been assigned and submitted to the Office of the Registrar, only a grade of “I” or a grade of “X” may be changed without the recommendation of the department coordinator, endorsement of the Dean, and approval of the Office of the Provost and Vice Chancellor for Academic Affairs. Approval to change a grade of “A”, “B”, “C”, “D”, or “E” will be granted only when the teacher requests to make the change unequivocally and substantiates, in writing and by presenting supporting evidence, what the grade in question should be as it relates to the grading system which the teacher has placed on file. The teacher’s class record and all requirements included in the evaluation of the student’s performance must be presented for review. This must be done before the expiration of the first four weeks of the student’s next term in residence following the assignment of the grade.

A student who wishes to challenge a grade for the purpose of having it changed must do so within the first four weeks of the next term following the term for which the grade was assigned.

## **IMPROVING GRADES**

With the exception of Professional Education courses, a grade of “D” earned in a student’s major is counted, provided the student’s average in the discipline in which the “D” is earned is “C” or higher. If only one course is required in the discipline, a student who makes



a grade of "D" must repeat the course and earn a grade of "C" or above.

To satisfy requirements in Professional Education courses, a student cannot make a grade of less than "C".

Except where a minimum grade of "C" is required in a course, a student may repeat a course in which he has earned a passing grade only once. The higher of the two grades earned will be used in computing the student's grade point average. The semester credit hours the course yields will be counted only once toward the minimum of 120 credit hours required for graduation. (Repeated courses will be indicated on the student's transcript.)

## **MAJORS AND MINORS**

Every candidate for a degree is required to select a major field of interest and, where applicable, a minor field of interest. Once a field of specialization has been chosen and a student pursues courses in that field, a change would cause loss of time in meeting graduation requirements. Therefore, students are advised to take advantage of the educational guidance given by advisers and administrative officers as they select and pursue a specialization.

Each student in the liberal arts program must have a major and minor field of concentration.

## **COURSE SUBSTITUTIONS**

Only under exceptional circumstances will substitution for or exemption from the prescribed curricula be permitted. To substitute or waive a course, the coordinator of the department in which the student is seeking a degree shall submit a request on the appropriate form to the Dean who, if he approves it, shall submit the recommendation to the appropriate department chairman for final action. The request must set forth, in detail, the circumstances which seem to justify the substitution or waiver. All course substitutions or waivers must be academic in nature and must be academically defensible.

## **AUDITING OF COURSES**

A student who wishes to audit a course must register as an auditing student and pay the required fees. Audited courses carry no credit, and no grade is given. Once a student is registered for "audit", he will not be permitted to change to "credit" after the first week of classes. Should a student desire credit for a class he has audited, application must be made to the department coordinator and approval granted by the Dean and the Office of the Provost and Vice Chancellor for Academic Affairs.

## **CLASS ENROLLMENT**

The University reserves the right to discontinue any class for any term for which the enrollment is not sufficient to make it economically feasible to offer the course.

## **CLASS ATTENDANCE**

The University is committed to the principle that regular and punctual class attendance is essential to the student's optimum scholastic achievements. It is hoped that students will realize that participation in a class setting can be a valuable experience academically and otherwise; hence, the worth of his experience cannot be measured solely by test papers, research papers, and projects. Students are expected to attend all classes regularly and to keep appointments when they are scheduled. It is the responsibility of the student to keep himself informed of the requirements of the instructor, to take all examinations at the time prescribed by the instructor, and to turn in all assignments when they are due. An absence, excused or unexcused, does not relieve the student of any course requirement.

A student may not be absent from a class for any cause, excused or unexcused, more than 25 percent of the clock hours the class would normally meet during a semester. When a student has been absent from a class 20 percent of the clock hours, he will receive a letter of warning. When the student has been absent 25 percent of the total class hours, he will receive a letter stating that he has been dropped from the course with a grade of "DP" or "DE". Both letters will be forwarded from the Office of the Dean.

The grade assigned, "DP" or "DE", will be determined by the instructor and the department coordinator with the approval of the Dean.

## **STUDY AT ANOTHER INSTITUTION**

There are two policies which govern transfer credit; one relates to students who apply to transfer from another institution to Fayetteville State University, and the other is concerned with regular Fayetteville State University students who request to pursue credits at another institution to be transferred to Fayetteville State University. The policy which governs credits of transfer students is found in the "Admissions" section of this catalog. The policy governing regular students is as follows:

1. The student submits a request to pursue study at another institution to his adviser/department coordinator. If his depart-

ment coordinator approves the request, he submits a written recommendation to the Dean. The recommendation must include:

- (a) The name of the institution the student wishes to attend;
  - (b) The catalog number and title of the course(s) the student wishes to take;
  - (c) The course(s) by number and title in the Fayetteville State University curriculum for which the course(s) the student wishes to pursue will substitute;
  - (d) A statement denoting whether the school that the student wishes to attend is accredited by its regional accrediting agency;
  - (e) An explanatory statement regarding the reason the student wishes to take credits elsewhere;
  - (f) The student's cumulative grade point average and his grade point average the preceding semester; and
  - (g) The number of semester hours which the student has accumulated.
2. Upon the Dean's approval, the request will be presented to the office of the Provost and Vice Chancellor for Academic Affairs for final approval. The Dean will notify the department coordinator and the student of the final action. Should the final action be in the affirmative, the office of the Registrar will also be notified.
  3. Regular Fayetteville State students who have accumulated 60 or more semester hours credit and who wish to take courses at another institution to be transferred to Fayetteville State University must pursue credit at an accredited senior college. In order for the credits earned to be accepted, the student must earn a grade of "C" or above.

## **NUMBER OF HOURS AT ANOTHER INSTITUTION**

In view of consortia and inter-institutional study programs to which the University subscribes, a student in residence at the University will be permitted to plan his program to include study at another institution. The number of hours which may be earned will be individually determined by the department coordinator and the student with the approval of the Dean and the Provost and Vice Chancellor for Academic Affairs.

## **CHANGING THE MAJOR AND MINOR**

In order to change a major once it has been declared, the student must obtain the signatures of the coordinator of the depart-



ment in which a major was last declared and the coordinator of the department in which a major is now desired. After the signatures are obtained, a copy of the new declaration will be forwarded to the Registrar's Office for inclusion in the student's file.

If a student desires to change his minor only, he negotiates the change with the coordinator of the department of his major field of study. The coordinator will file the change with the office of the Registrar.

## **ADVISERS**

Every student has, from the beginning of his freshman year, an assigned faculty adviser with whom he may consult about his curriculum planning, course registration, and other academic decisions. Although the student is urged to make full use of the help his adviser can provide, the student is expected to read and understand the CATALOG and to accept ultimate responsibility for the decisions he makes.

## **CLASSIFICATION OF STUDENTS**

Students are classified at the time they are admitted to Fayetteville State University and at the end of each term.

**FRESHMEN** — To be classified as a freshman, a student must meet entrance requirements and be enrolled in a regular schedule of properly approved courses. He must have earned from 0-30 semester credit hours and an equivalent number of quality points.

**SOPHOMORE** — To be classified as a sophomore, a student must have earned between 31 and 60 semester hours of credit with an equivalent number of quality points.

**JUNIOR** — To be classified as a junior, a student must have earned between 61 and 90 semester hours of credit with an equivalent number of quality points.

**SENIOR** — To be classified as a senior, a student must have earned more than 90 semester hours of credit with an equivalent number of quality points.

**REGULAR STUDENT** — A regular student is one who has met all admission requirements and who is pursuing a degree program.

**FULL-TIME STUDENT** — A full-time student is one who is pursuing a degree and who registers for a minimum of 12 semester hours of credit during a semester or 6 semester hours each term.

**PART-TIME STUDENT** — A part-time student is one who is pursuing a degree and who registers for less than 12 semester hours of credit during a semester or less than 6 semester hours of credit each term.

**SPECIAL STUDENT** — A special student is one who is not pursuing a degree program. This student may take a maximum of 18 semester hours of credit per semester or 9 semester hours per term.

## **MAINTAINING STANDARDS**

The University reserves the right to request the withdrawal of a student at any time if: (1) the student's conduct is judged to be undesirable; (2) he persistently disregards the rules and regulations of the University; (3) he fails to maintain an acceptable standard of work; or (4) his mental or physical health precludes his making satisfactory academic progress or is detrimental to others.

## **SCHOLARSHIP STANDARDS**

Every student is expected to earn a grade point average of at least 2.00 each semester in attendance (two consecutive terms). Any student who fails to meet the minimum cumulative average at the close of a semester is placed on Warning, Academic Probation, or Suspension. A student who is placed on Academic Suspension, after one semester's suspension, may apply for readmission to the University. If readmitted, the student will be subject to the rules covering Academic Probation, which permit a student to carry a maximum load of 13 credits per semester or 6 semester hours per term. Students who are suspended for a second time are permanently suspended from the University.

## **PROBATION AND SUSPENSION STANDARDS**

Minimum scholastic standards are calculated at the end of each semester (the conclusion of Terms, II, IV, and VI). Minimum scholastic requirements for students at FSU are as follows:

<b>Credit Hours</b>	<b>Probation</b>	<b>Suspension</b>
0-20	1.00	—
21-32	1.60	1.30
23-44	1.70	1.45
45-57	1.85	1.60
58-69	1.90	1.70
70-84	1.95	1.80
85-99	1.99	1.90
100-	—	1.99

## **COMMENCEMENT**

Commencement Exercises are held at the close of each school year, at which time degrees are officially conferred. Candidates who complete graduation requirements after the regular Commencement Exercises will be awarded degrees at the next regular commencement.

Candidates for degrees are required to participate in Commencement Exercises unless excused by the Chancellor. A candidate who requests to be excused by the Chancellor is required to present, in writing, valid support for his request.

## **GRADUATION WITH DISTINCTION**

Baccalaureate graduates may be awarded with the following honors: Summa Cum Laude, to those having a scholastic average of 3.80; Magna Cum Laude, to those having a scholastic average of 3.50; and Cum Laude, to those having a scholastic average of 3.20.

For the honor of Summa Cum Laude, the student must have spent three years in residence at the University. To qualify for either Cum Laude or Magna Cum Laude honors, the student must have completed a minimum of 45 semester hours of credit at the University.

## **WITHDRAWAL FROM THE UNIVERSITY**

A student who desires to withdraw from the University at any time following the completion of registration and payment of fees must initiate withdrawal with forms from the Office of the Registrar. All withdrawal forms will be reviewed by the Dean and forwarded to the Accounting Office for transmittal to the Office of the Vice Chancellor for Financial Affairs, who will determine the appropriate refund of fees. The official date of withdrawal (for the purpose of computing charges and grades) will be the date the Registrar receives the request for withdrawal. Students who do not comply with the withdrawal regulations set forth herein will not be granted honorable dismissals, and under no conditions will any fees be refunded. The University reserves the right to wait 30 days before making cash refunds.

A student who wishes to withdraw from the University officially must do so before he is dropped from his classes for poor attendance.

## **APPLICATION FOR GRADUATION**

A prospective graduate must make application with the Office of the Registrar to become a candidate for graduation no later than

the date set forth in the University Calendar for filing applications for graduation. The University assumes no responsibility for making special adjustments for students who fail to file application by the designated date.

A candidate who fails to file an application for graduation or meet graduation requirements by the designated date for each automatically voids his candidacy for that particular graduation.

## **GRADUATION REQUIREMENTS**

The Bachelor of Arts degree will be conferred upon the students who completely satisfy their curriculum requirements with a minimum of 120 semester hours of course work with a cumulative grade point average of 2.00 or higher.

The Bachelor of Science degree will be conferred upon those students who completely satisfy their curriculum requirements with a minimum of 120 semester hours of course work with a cumulative grade point average of at least 2.00.

The Associate of Arts degree will be conferred upon those candidates who completely satisfy their curriculum requirements with a minimum of 56 semester hours of course work with a cumulative grade point average of at least 2.0.

All applicants for a baccalaureate degree must complete a minimum of 24 semester hours in residence study at Fayetteville State University. It is understood that a student's senior year or study must be done in residence, unless special permission to do it elsewhere is recommended by the department coordinator, endorsed by the Dean, and approved by the Office of the Provost and Vice Chancellor for Academic Affairs.

An applicant for an Associate of Arts degree must complete a minimum of 12 semester hours of residence study at Fayetteville State University.

## **APPEAL PROCEDURE**

Any student who feels that he has justification, by virtue of special and/or unusual circumstances, to seek exemption from an academic probation or retention regulation may appeal to the Admission, Registration and Retention Committee for relief. The appeal must be filed in writing with the Office of the Provost and Vice Chancellor for Academic Affairs for referral to the Committee. The Committee's decision will be submitted, in writing, to the Office of the Provost and Vice Chancellor for Academic Affairs.

## **TRANSCRIPTS OF ACADEMIC RECORDS**

Only upon the student's written request will the University release his transcript or any other information from his academic record. Requests for transcripts should be addressed to the Office of the Registrar; Fayetteville State University; P. O. Box 156; Fort Bragg, NC 28307.

The first transcript will be released free of charge. A fee of \$3.00 will be charged for each additional transcript.

## **DEAN'S LIST**

Students who earn a minimum cumulative grade point average of 3.20 or better while carrying an academic load of at least twelve credit hours per semester are given the distinction of being placed on the Dean's List.

## **DIVISION OF ARTS AND SCIENCES**

### **PURPOSE**

The Division of Arts and Sciences seeks to provide an environment for and to encourage the pursuit of academic excellence, to offer a choice of study, and to make available a variety of learning experiences in an effort to stimulate individualized and continued learning which will facilitate independent and rational adjustments in a multilateral society.

### **OBJECTIVES**

The objectives of the Division of Arts and Sciences are as follows:

1. To strengthen students in the basic concepts of science and mathematics, the arts of communicating, the fine arts, and the social sciences.
2. To utilize basic skills for scientific study.
3. To prepare students to teach the arts and sciences and to pursue graduate study.
4. To prepare those students whose abilities lead to non-teaching professions with necessary background.
5. To send out graduates distinguished by their ability to make critical and independent judgment.
6. To graduate persons who will enhance the teaching profession with the works of their reason and their imagination and by their will to challenge any threat to the freedom and dignity of man.

### **PROGRAMS**

The Division of Arts and Sciences includes the Departments of Biological and Physical Sciences, English & Communication, History, Political Science, Mathematics, Modern Foreign Languages, Music, and Sociology. The Division also includes the following areas: Art, Geography, and Philosophy and Religion. It provides teaching and non-teaching degree programs in the arts and sciences. A new non-teaching degree program is offered in medical technology.

The following degrees are obtainable in the Division of Arts and Sciences: Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Medical Technology (B.M.T.), and the Associate of Arts (A.A.).



## **DEPARTMENT OF BIOLOGICAL & PHYSICAL SCIENCE**

The Department of Biological and Physical Science of Fayetteville State University offers courses which prepare students to meet the general education requirements of the University; for entrance into graduate, medical, and professional schools; and for the teaching profession.

### **OBJECTIVES**

1. To aid the student in the appreciation and development of scientific rigor, judgment, truths, and limitations in the biological and physical sciences.
2. To assist the student in gaining a mastery of tools for scientific study.
3. To assist the student in acquiring the techniques that will promote clear, incisive thoughts.
4. To impart knowledge that will aid the student in his entry into graduate and professional schools.
5. To develop in the student a social conscience with regard to how he uses his knowledge.
6. To provide instruction in a specific discipline for prospective secondary school teachers.

### **PROGRAM REQUIREMENTS**

Thirty semester hours of credit are required for a major in biology; twenty semester hours of credit are required for a minor in chemistry. The required courses which comprise the biology major are listed in the teaching and non-teaching curricula. A minor in chemistry consists of CHE 111, 112, 211, 212, and 311.

Students enrolled in the Biology Teaching curriculum can fulfill their non-biological science requirements by completing twenty semester hours of credit in chemistry or physics. However, the department strongly recommends that the student minor in chemistry.

The only courses which can be waived for majors enrolled in the teaching program are PHY 111 and PHY 112, although majors are encouraged to take these courses.

Students enrolled in the Biology Non-Teaching curriculum are required to minor in Chemistry and to complete all non-elective courses listed in their curriculum. No required course is to be waived for majors enrolled in the non-teaching program.

Thirty-two semester hours are required for a major in Chemistry,

and eighteen semester hours of credit are required for a concentration in physics or mathematics.

Students enrolled in the Chemistry Non-Teaching curriculum are strongly advised to minor in mathematics or physics. No required course is to be waived for Chemistry majors.

Completion of a two-phase program is required to earn the B.M.T. degree. Phase one involves the successful completion of a three-year academic curriculum at the University; the second phase requires a successful completion of a twelve-month program of practical/technical study in an AMA-certified program of medical technology at a hospital. Upon verified completion of the practical/technical study and certification as a medical technologist, Fayetteville State University will confer the degree upon the candidate.

The fourth-year constituent of the degree program in medical technology is an approved one-year medical technology program at a hospital. Variations in this portion of the curriculum may occur in the different schools of medical technology. A minimum overall average of "C" is required for graduation in this program at Fayetteville State University.

Cooperative programs with North Carolina State University at Raleigh, North Carolina lead towards a Bachelor of Arts degree in conservation, physics, pulp and paper science and technology, textile chemistry, and textile technology. Depending upon the specific cooperative program which the student enters, he would complete the first two to three years of study at Fayetteville State University, then transfer to North Carolina State University at Raleigh to complete the last two years of his program.

This department also offers the Associate of Arts degree in biology, chemistry, general education for prospective biology majors, and general education for prospective chemistry majors. Graduates with the Associate of Arts degree must have completed a minimum of one semester of residence at Fayetteville State University, including fifteen semester hours of course work.

Although the department offers all courses in the curriculum, a student may have to attend the main campus for some of his courses.



# PROGRAM OF STUDY

## BACHELOR OF SCIENCE — BIOLOGY (TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar and Composition	3	ENG 111 Composition and Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
PED 000-130 Physical Education /Elective	1 3	HED 112 Personal Hygiene	2
	<hr/> 16		<hr/> 15

### SOPHOMORE YEAR

BOT 211 General Botany	3	CHE 212 Analytical Chemistry	5
CHE 211 Quantitative Chemistry	4	English/Foreign Language Elective	3
English/Foreign Language Elective	3	SPE 310 Public Speaking	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Social Science Elective	3	Social Science Elective	3
	<hr/> 16		<hr/> 17

### JUNIOR YEAR

GEO 311 Intro to Geology	3	SOC 210 Principles of Sociology	3
ZOO 311 Comparative Anatomy	3	ZOO 312 Comparative Anatomy	3
PHY 111 General Physics	4	PHY 112 General Physics	4
ZOO 321 Vertebrate Physiology	3	BOT 322 Bacteriology (Microbiology)	3
EDU 310 Foundations of Education	3	English/Foreign Language Elective	3
English/Foreign Language Elective	3		
	<hr/> 19		<hr/> 16

### SENIOR YEAR

ZOO 441 Intro to Entomology	3	EDU 421 Principles of Secondary Education	3
ZOO 411 Principles of Genetics	3	EDU 480 Student Teaching in the Secondary School	6
EDU 330 Educational Psychology and Measurements	3	EDU 460 Methods & Materials in Secondary School Subjects	3
ZOO 431 Histology & Microtechniques	3		
EDU 450 Teaching of Reading in the Secondary School	3		
	<hr/> 15		<hr/> 12

Total Required Semester Hours — 126

# PROGRAM OF STUDY

## BACHELOR OF SCIENCE — BIOLOGY (NON-TEACHING)

### FRESHMAN YEAR

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar and Composition	3	ENG 111 Composition and Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
HIS/HUM Elective	3	HED 112 Personal Hygiene	2
PED 000-103 Physical Education	1		
	16		15

### SOPHOMORE YEAR

Social Science Elective	3	Social Science Elective	3
CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
HIS/HUM Elective	3	HIS/HUM Elective	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
BOT 211 General Botany	3	SPE 200 Intro to Speech	3
	16		17

### JUNIOR YEAR

SPE 310 Public Speaking	3	Elective	3
ZOO 311 Comparative Anatomy	3	ZOO 312 Comparative Anatomy	3
ZOO 321 Vertebrate Physiology	3	BOT 322 Bacteriology (Microbiology)	3
CHE 211 Organic Chemistry	3	CHE 222 Organic Chemistry	3
CHE 231 Organic Chemistry Lab.	1	CHE 232 Organic Chemistry Lab.	1
English/Foreign Language Elective	3	English/Foreign Language Elective	3
	16		16

### SENIOR YEAR

ZOO 441 Intro to Entomology	3	ECO 211 Principles of Economics: Macroeconomics	3
ZOO 431 Histology & Microtechniques	3	EDU 330 Educational Psychology and Measurements	3
ZOO 411 Principles of Genetics	3	PHY 112 General Physics	4
PHY 111 General Physics	4	Electives	6
SOC 210 Principles of Sociology	3		
	16		16

Total Required Semester Hours — 128

# PROGRAM OF STUDY

## BACHELOR OF SCIENCE — CHEMISTRY (NON-TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
MAT 131 Algebra & Trigonometry	3	MAT 142 Analytical Geometry & Calculus I	4
HIS/HUM Elective	3	SPE 200 Intro to Speech	3
PED 000-130 Physical Education	1	HIS/HUM Elective	3
		HED 112 Personal Hygiene	2
	<hr/> 13		<hr/> 19

### SOPHOMORE YEAR

CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
MAT 241 Analytical Geometry & Calculus II	4	MAT 242 Analytical Geometry & Calculus III	4
English/Foreign Language Elective	3	PHY 112 General Physics or PHY 212 Heat	4
PHY 111 General Physics or PHY 211 Mechanics	4	CHE 222 Organic Chemistry	3
CHE 221 Organic Chemistry	3	CHE 232 Organic Chemistry Lab	1
CHE 231 Organic Chemistry Lab	1		
	<hr/> 19		<hr/> 17

### JUNIOR YEAR

CHE 321 Thermodynamics & Equilibrium	3	CHE 322 Spectroscopy & Quantum Chemistry	3
CHE 331 Thermodynamics & Equilibrium Lab	1	CHE 332 Spectrochemistry Lab	1
GER 110 Elementary German	3	GER 120 Elementary German	3
Science or Math Elective	3 or 4	Science or Math Elective	3 or 4
CSC 101 Computer Programming Language (FORTRAN)	3	CSC 102 Computer Programming Language (COBOL)	3
	<hr/> 13 or 14		<hr/> 13 or 14

### SENIOR YEAR

CHE 410 Seminar in Chemistry	4	Chemistry Elective above 410	3 or 4
Elective in Chemistry above 410	4	Science Elective above 200	3
Elective in Science above 200	3	CHE 450 Research in Chemistry	1 or 4
CHE 450 Research in Chemistry Electives	1 or 4 4 or 8	Elective	3
	<hr/> 15 or 23		<hr/> 11 or 14

Total Required Semester Hours — 120-133

# PROGRAM OF STUDY

## BACHELOR OF ARTS — CHEMISTRY (NON-TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
HIS/HUM Elective	3	HIS/HUM Elective	3
MAT 131 Algebra & Trigonometry	3	MAT 142 Analytical Geometry & Calculus I	4
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 13		<hr/> 16

### SOPHOMORE YEAR

CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
MAT 241 Analytical Geometry & Calculus II	4	MAT 242 Analytical Geometry & Calculus III	4
English/Foreign Language Elective	4	SPE 200 Intro to Speech	3
PHY Physics Elective	4	PHY Physics Elective	4
*GER 110 Elementary German	3	*GER 120 Elementary German	3
	<hr/> 19		<hr/> 19

### JUNIOR YEAR

CHE 221 Organic Chemistry	3	CHE 222 Organic Chemistry	3
CHE 231 Organic Chemistry Lab	1	CHE 232 Organic Chemistry Lab	1
**Science Elective	3 or 4	**Science Elective	3 or 4
**Science or Math Elective	3 or 4	**Science or Math Elective	3 or 4
Electives	3 or 6	Electives	3 or 6
	<hr/> 13 or 18		<hr/> 13 or 18

### SENIOR YEAR

CHE 321 Thermodynamics & Equilibrium	3	CHE 322 Spectroscopy & Quantum Chemistry	3
CHE 331 Thermodynamics & Equilibrium Lab	1	CHE 332 Spectrochemistry Lab	1
Science or Math Elective above 200***	3 or 6	**Science or Math Electives above 200***	3 or 6
Electives	6 or 9	Electives	6 or 9
CHE 410 Seminar in Chemistry	1		
	<hr/> 14 or 20		<hr/> 13 or 19

Total Required Semester Hours — 120-142

\*German is recommended but French may be substituted. In special cases, another Humanity sequence might be substituted, if approved.

\*\*The CSC 101 Computer Programming Language (FORTRAN) and CSC 102 Computer Programming Language (COBOL) should be considered. PHY 311 Electricity and Magnetism and PHY 312 Electricity and Magnetism should be considered. Those who choose to take 24 hours of electives in business may substitute Accounting courses for these. BIO 111 and BIO 112 Biological Science or

PSI 111 and PSI 112 Physical Science will not be accepted for this elective.

\*\*\*CHE 450 Research in Chemistry should be considered.

The program is primarily for Chemistry Majors with business concentration, pre-dents, pre-meds, and those not immediately planning graduate work in Chemistry.

## PROGRAM OF STUDY BACHELOR OF SCIENCE — MEDICAL TECHNOLOGY (NON-TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
MAT 120 Intro to Contemporary Math I		MAT 121 Intro to Contemporary Math II	
OR		OR	
MAT 131 Algebra & Trigonometry	3	MAT 220 Applied Calculus	3 or 4
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	13		15 or 16

### SOPHOMORE YEAR

BOT 211 General Botany	3	BOT 322 Bacteriology (Microbiology)	3
ZOO 211 Anatomy & Physiology	3	ZOO 212 Anatomy & Physiology	3
CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
HIS/HUM Elective	3	HIS/HUM Elective	3
English/Foreign Language Elective	3	ECO 211 Intro to Economics: Macroeconomics	3
MED 200 Medical Terminology	2		
	18		17

### JUNIOR YEAR

ZOO 411 Principles of Genetics	3	Biology Elective	3
PHY 111 General Physics	4	PHY 112 General Physics	4
CHE 221 Organic Chemistry	3	CHE 222 Organic Chemistry	3
CHE 231 Organic Chemistry Lab	1	CHE 232 Organic Chemistry Lab	1
SOC 210 Principles of Sociology	3	OR	
English/Foreign Language Elective	3	CHE 411 Biochemistry	4
		SPE 200 Intro to Speech	3
		English/Foreign Language Elective	3
	17		17

### SENIOR YEAR

MED 451 Clinical Microscopy	3	MED 462 Blood Bank	4
MED 452 Serology	3	MED 470 Microbiology	8
MED 460 Hematology	6	MED 472 Clinical Chemistry	8
	12		20

Clinical laboratory training taken in a hospital school of medical technology approved by the Council on Medical Education of the American Medical Association and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

This phase requires a minimum of twelve consecutive months of study in the hospital.

Total Required Semester Hours — 129-130

## PROGRAM OF STUDY ASSOCIATE OF ARTS — BIOLOGY

### FIRST YEAR

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
BOT 211 General Botany	3	PHI 210 Intro to Philosophy	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	16		18

### SECOND YEAR

CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
ZOO 311 Comparative Anatomy	3	ZOO 312 Comparative Anatomy	3
MAT 142 Analytical Geometry & Calculus I	3	BOT 322 Bacteriology (Microbiology)	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Social Science Elective	3	Social Science Elective	3
	16		17

Total Required Semester Hours — 67

## PROGRAM OF STUDY ASSOCIATE OF ARTS GENERAL EDUCATION FOR PROSPECTIVE BIOLOGY MAJORS

### FIRST YEAR

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	13		15



## SECOND YEAR

BOT 211 General Botany	3	CHE 212 Analytical Chemistry	5
CHE 211 Quantitative Chemistry	4	English/Foreign Language Elective	3
English/Foreign Language Elective	3	HIS/HUM Elective	3
HIS/HUM Elective	3	PHI 210 Intro to Philosophy	3
Social Science Elective	3	Social Science Elective	3
	<hr/> 16		<hr/> 17

Total Required Semester Hours — 62

## PROGRAM OF STUDY ASSOCIATE OF ARTS — CHEMISTRY

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 17

### SECOND YEAR

CHE 211 Organic Chemistry	3	CHE 222 Organic Chemistry	3
CHE 231 Organic Chemistry Lab	1	CHE 232 Organic Chemistry Lab	1
MAT 142 Analytical Geometry & Calculus I	4	MAT 241 Analytical Geometry & Calculus II	4
PHY 111 General Physics	4	PHY 112 General Physics	4
HIS/HUM Elective	3	HIS/HUM Elective	3
Social Science Elective	3	Social Science Elective	3
	<hr/> 18		<hr/> 18

Total Required Semester Hours — 67

## PROGRAM OF STUDY ASSOCIATE OF ARTS GENERAL EDUCATION FOR PROSPECTIVE CHEMISTRY MAJORS

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
CHE 111 Intro to Chemistry	3	CHE 112 General Chemistry	4
HIS/HUM Elective	3	HIS/HUM Elective	3

PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	13		15

## SECOND YEAR

CHE 211 Quantitative Chemistry	4	CHE 212 Analytical Chemistry	5
MAT 142 Analytical Geometry & Calculus I	4	PHI 210 Intro to Philosophy	3
PHY 111 General Physics	4	PHY 112 General Physics	4
English/Foreign Language Elective	3	English/Foreign Language Elective	3
HIS/HUM Elective	3	HIS/HUM Elective	3
	18		18

Total Required Semester Hours — 64

## **DEPARTMENT OF ENGLISH AND COMMUNICATIONS**

The Department of English and Communication offers learners the opportunity to acquire a broad education that will prepare them to adapt to a wide variety of careers by acquainting them with a precise working knowledge of the grammatical and other structural features of the English language as a basis for developing discriminating and critical reading, writing, listening, and speaking skills. The program is design to assist all learners:

1. To improve the learner's ability to analyze and arrange ideas and write effective expository prose.
2. To read various types of literature with appreciative understanding and develop skills in critical writing.
3. To gain knowledge of the structure of the language to trace the history of English and American literature as an art and to deepen the students' understanding of the relation of literature to human cultures.
4. To meet English requirements in each department.
5. To train students who plan to become teachers, speakers, writers, mass media specialists and graduate students.

### **PROGRAM REQUIREMENTS**

The Department offers the following degree programs: The B.S., B.A., and A.A. (English) the B.A. (Speech/Theatre). All programs are planned to qualify students who wish to do graduate work in their respective specializations and related fields. It also offers minor programs in English and Speech as well as a concentration in both areas.

### **SPECIFIC REQUIREMENTS**

1. Prospective majors and minors in the English and Communication Program and elementary education majors seeking a concentration in English or in Speech/Theatre must earn a grade point average of at least 2.00 in their freshman and sophomore Communicative Arts courses before enrolling in any other courses.
2. A minimum grade of "C" is required in all courses for credit toward the degree in each of the areas of the program.
3. Students should not enroll in the second part of a two-term course until they have satisfactorily completed the first part.
4. Prerequisite requirements must be observed as indicated in the course description. No credit will be allowed for courses

taken without completion of specific prerequisites.

5. In those areas of specialization in English and Communication which offer both the Bachelor of Arts and the Bachelor of Science degrees, the curriculum is the same for the first two years. Beginning in the junior year, candidates for the Bachelor of Arts degree can earn thirty-six additional semester hours and/or a minor in another field in place of professional education courses.
6. Students who wish to minor in English must complete twenty-four credits; in Speech/Theatre, twenty-one credits. In each instance, credits toward the minor are calculated beyond the basic core curriculum of the English and Communication Program.
7. Elementary Education majors who wish to concentrate in either English or in Speech/Theatre must complete eighteen hours beyond the introductory courses: English 110-111 and Speech 310.
8. The department encourages Communicative Arts majors to elect a minor, though a minor is not required.

The department also offers two minors: one in English, the other in Speech/Theatre for students who are specializing in other areas of study. In addition, two concentrations are offered: Elementary Education majors seeking certification in either English or in Speech/Theatre.

### **THE MINOR PROGRAM IN ENGLISH**

The minor program in English provides interested students with a minimum foundation for teaching English in the junior or senior high school.

#### **Course Requirements:**

In addition to the basic core (ENG 110, ENG 111; ENG 211, ENG 212, ENG 221, SPE 310, HUM 211-212) of the English and Communication Program, the following English courses are required:

ENG 311-312 English Literature	6 Sem. Hrs.
ENG 321-322 American Literature	6 Sem. Hrs.
ENG 231 Advanced Grammar	3 Sem. Hrs.
ENG 341 Advanced Composition	3 Sem. Hrs.
ENG 411 Shakespeare	3 Sem. Hrs.
English Elective	3 Sem. Hrs.

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24 Sem. Hrs.

## THE MINOR PROGRAM IN SPEECH/THEATRE

The minor in Speech/Theatre prepares the secondary education major as a teacher of general speech in the junior and senior high school. If a student minoring in Speech/Theatre is required to take certain courses as an English major, he must elect substitutes to bring his hours up to twenty-one in speech and theatre. Other requirements are the same as for the minor in English.

### Course Requirements:

In addition to the basic core of the Communicative Arts Program, the following courses in speech and theatre are required:

SPE 211 Phonetics	3 Sem. Hrs.
SPE 311 Oral Interpretation	3 Sem. Hrs.
SPE 331 Play Production	3 Sem. Hrs.
SPE 332 Stagecraft and Scene Design	3 Sem. Hrs.
SPE 411 Children's Theatre	3 Sem. Hrs.
Speech/Theatre Electives	6 Sem. Hrs.
	<hr/> 21 Sem. Hrs.

The coordinator and members of the department will help students decide which program or programs are best suited to their individual aptitudes, present needs and future plans.

## PROGRAM OF STUDY BACHELOR OF SCIENCE ENGLISH LANGUAGE AND LITERATURE (TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 15

### SOPHOMORE YEAR

ENG 211 World Literature	3	ENG 212 World Literature	3
ENG 231 Advanced Grammar	3	ENG 221 Afro-American Literature	3
Foreign Language Elective	3	ENG 222 The History of the English Language	3
*Humanities Elective	3	Foreign Language Elective	3
SPE 310 Public Speaking	3	*Humanities Elective	3
Social Science Elective	3	PHI 210 Intro to Philosophy	3
	<hr/> 18		<hr/> 18

## JUNIOR YEAR

ENG 311 English Literature	3	ENG 312 English Literature	3
ENG 321 American Literature	3	ENG 322 American Literature	3
ENG 341 Advanced Composition	3	ENG 412 The Eighteenth Century or	
EDU 310 Foundations of Education	3	ENG 432 Romantic Prose and Poetry	3
EDU 330 Educational Psychology and Measurements	3	EDU 340 Human Development	3
		Elective	3
	<hr/> 15		<hr/> 15

## SENIOR YEAR

ENG 340 Short Prose Fiction, or		EDU 480 Student Teaching in the Secondary School	6
ENG 350 Modern Poetry, or		EDU Methods and Materials in Secondary School Subjects	3
ENG 360 Modern Drama	3	EDU 421 Principles of Secondary Education	3
ENG 460 The Modern Novel 1920-Present	3		
ENG 411 Shakespeare	3		
ENG 431 American Novel	3		
EDU 450 Teaching of Reading in the Secondary School	3		
	<hr/> 15		<hr/> 12

Total Required Semester Hours — 122

\*Select six hours from English courses not required, FRE 110-120 Elementary French, GER 110-120 Elementary German, SPA 110-120 Elementary Spanish.

# PROGRAM OF STUDY BACHELOR OF ARTS ENGLISH LANGUAGE AND LITERATURE (NON-TEACHING)

## FRESHMAN YEAR

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
PED 100-130 Physical Education	1	HED Personal Hygiene	2
	<hr/> 14		<hr/> 15

## SOPHOMORE YEAR

ENG 211 World Literature	3	ENG 212 World Literature	3
ENG 231 Advanced Grammar	3	ENG 221 Afro-American Literature	3
Foreign Language Elective	3	ENG 222 The History of the English Language	3
Humanities Elective	3	Foreign Language Elective	3
SPE 310 Public Speaking	3	Humanities Elective	3
Social Science Elective	3	PHI 210 Intro to Philosophy	3
	<hr/> 18		<hr/> 18



## JUNIOR YEAR

ENG 311 English Literature	3	ENG 312 English Literature	3
ENG 321 American Literature	3	ENG 322 American Literature	3
ENG 341 Advanced Composition	3	ENG 330 The Seventeenth Century, or	
Electives	6	ENG 401 Chaucer	3
		Electives	6
	<hr/> 15		<hr/> 15

## SENIOR YEAR

ENG 340 Short Prose Fiction,		ENG 412 The Eighteenth Century	3
ENG 350 Modern Poetry, or		ENG 432 Romantic Prose & Poetry, or	
ENG 360 Modern Drama	3	ENG 451 Victorian Prose & Poetry	3
ENG 411 Shakespeare	3	Electives	6
ENG 431 The American Novel	3		
Electives	6		
	<hr/> 15		<hr/> 12

Total Required Semester Hours — 122

# PROGRAM OF STUDY BACHELOR OF ARTS — SPEECH/THEATRE (NON-TEACHING)

## FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 15

## SOPHOMORE YEAR

Foreign Language Elective	3	ENG 221 Afro-American Literature	3
*Humanities Elective	3	Foreign Language Elective	3
PHI 210 Intro to Philosophy	3	*Humanities Elective	3
SPE 310 Public Speaking	3	SPE 212 Voice and Diction	3
**Elective	3	**Elective	3
	<hr/> 15		<hr/> 15

## JUNIOR YEAR

ENG 211 World Literature	3	ENG 222 The History of the English Language	3
SPE 211 Phonetics	3	SPE 321 Group Discussion	3
SPE 231 Play Production	3	SPE 311 Oral Interpretation	3
Electives	6	SPE 332 Stagecraft & Scene Design	3
		Elective	3
Elective	3		
	<hr/> 15		<hr/> 15

## SENIOR YEAR

ENG 411 Shakespeare	3	ENG 360 Modern Drama	3
SPE 401 Argumentation & Debate	3	SPE 412 Dramatic Theory & Criticism	3
SPE 411 Children's Theatre for School and Community	3	Electives	9
Electives	9		
	<hr/> 18		<hr/> 15

Total Required Semester Hours — 122

\*Select six hours from ENG 212 World Literature, ENG 311-312 English Literature, ENG 321-322 American Literature, ENG 231 Advanced Grammar, ENG 341 Advanced Composition.

\*\*The Department encourages English and Communication majors to select a minor, but they are not required to choose one.

## PROGRAM OF STUDY ASSOCIATE OF ARTS — ENGLISH

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	ENG 231 Advanced Grammar	3
SPE 310 Public Speaking	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 17		<hr/> 18

### SECOND YEAR

ENG 211 World Literature	3	ENG 212 World Literature	3
ENG 311 English Literature	3	ENG 222 The History of the English Language	3
ENG 321 American Literature	3	ENG 312 English Literature	3
ENG 341 Advanced Composition	3	ENG 322 American Literature	3
Humanities Elective	3	Humanities Elective	3
	<hr/> 15		<hr/> 15

Total Required Semester Hours — 65

## **DEPARTMENT OF HISTORY**

The Department offers three undergraduate degree programs to students desiring to major in history: (1) History and Political Science, Bachelor of Science Degree (Teaching Curriculum); (2) History Major, Bachelor of Arts Degree (Non-Teaching Curriculum); and (3) History Major, Associate of Arts Degree. Each program is designed to afford the student a maximum amount of course selectivity. Each program is oriented to those undergraduates who are interested in developing a sense of identity with the past, inculcating in them the ability to analyze and communicate man's historical heritage, including those related forces affecting the institutions of man.

### **OBJECTIVES**

1. To challenge and stimulate student interest in history through the broadest possible curriculum.
2. To promote an attitude of serious intellectual inquiry and study into the various facets of history.
3. To develop student understanding of the nature of history and of the historian's task.
4. To prepare future historians and research specialists who are proficient in critical analysis techniques; as well as candidates for teaching history.
5. To prepare students for advanced and graduate work in history.

### **PROGRAM REQUIREMENTS**

Specific course requirements for history majors are listed in the history curriculum of the student's choice.

In addition to these stated course requirements, a candidate for any degree in history must have an overall average of "C" or better and at least a "C" in each history course needed for graduation.

Moreover, history degree candidates (B.S. and B.A.) must complete a minimum of 18 semester hours of history in residence with Fayetteville State University.

A total of thirty-three (33) semester hours credit in history is required beyond History 110-120 World History to 1600 and World History Since 1600.

### **MINOR PROGRAM IN HISTORY**

A non-teaching minor in history includes at least eighteen (18) semester hours credit in history beyond History 110-120 World History to 1600 and World History Since 1600, which is required.

Students must elect a minimum of three (3) credit hours in African or Asian history. Basic requirements are as follows:

HIS 211-212 The United States to 1865 and The United States Since 1865	6
HIS 311-312 Modern European History 1648 to 1815 and Modern European History 1815 to Present	6
History Electives	6
	<hr/>
semester hours	18

## PROGRAM OF STUDY

### BACHELOR OF SCIENCE DEGREE HISTORY AND POLITICAL SCIENCE (TEACHING)

#### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/>		<hr/>
	17		18

#### SOPHOMORE YEAR

English/Foreign Language Elective	3	English/Foreign Language Elective	3
HIS 110 World History to 1600	3	HIS 120 World History Since 1600	3
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
Elective	3	Elective	3
POL 210 Principles of American Government	3	Political Science Area I Elective	3
	<hr/>		<hr/>
	15		15

#### JUNIOR YEAR

Political Science Area II Elective	3	POL 450 History of Political Theory I	3
HIS 311 Modern European History, 1648-1815	3	HIS 312 Modern European History, 1815-Present	3
ECO 211 Principles of Economics: Macroeconomics	3	EDU 330 Educational Psychology and Measurements	3
EDU 310 Foundations of Education	3	History/Political Science Electives	6
EDU 340 Human Development	3		
	<hr/>		<hr/>
	15		15

## SENIOR YEAR

POL 460 History of Political Theory II	3	EDU 421 Principles of Secondary Education	3
HIS 460 Senior Seminar: Problems in American History or		EDU 480 Student Teaching in the Secondary School	6
HIS 480 Senior Seminar: Problems in European History	3	EDU 460 Methods and Materials in Secondary School Subjects	3
History/Social Science Electives	9		
EDU 450 Teaching of Reading in the Secondary School	3		
	<hr/> 18		<hr/> 12

Total Required Semester Hours — 125

## PROGRAM OF STUDY BACHELOR OF ARTS — HISTORY (NON-TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
HIS 110 World History to 1600	3	HIS 120 World History Since 1600	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Social Science Elective	3	Social Science Elective	3
Elective	3	POL 210 Principles of American Government	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 16		<hr/> 17

### SOPHOMORE YEAR

Natural Science Elective	4	Natural Science Elective	4
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
ECO 211 Principles of Economics: Macroeconomics	3	PHI 210 Intro to Philosophy	3
*English/Foreign Language Elective	3	*English/Foreign Language Elective	3
GGY 210 Principles of Geography	3	History Elective	3
	<hr/> 16		<hr/> 16

### JUNIOR YEAR

**HIS 311 Modern European History, 1648-1815	3	**HIS 312 Modern European History, 1815-Present	3
History Elective	3	History Elective	3
Electives (Political Science, Sociology, Geography, or Economics)	6	Electives (Political Science, Sociology, Geography, or Economics)	6
Elective	3	Elective	3
	<hr/> 15		<hr/> 15

## SENIOR YEAR

HIS 460 Senior Seminar: Problems in American History or	History Elective	3
HIS 480 Senior Seminar: Problems in European History	Electives	12
History Elective		3
Electives		9
	15	15

Total Required Semester Hours — 125

\*Students contemplating graduate study in History should take at least two semesters of a foreign language.

\*\*European History majors must take both of these courses; American History majors can select any one (but both are strongly recommended).

## PROGRAM OF STUDY ASSOCIATE OF ARTS — HISTORY

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
HIS 110 World History to 1600	3	HIS 120 World History Since 1600	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Social Science Elective	3	POL 210 Principles of American Government	3
Elective	3	HIS 211 The United States to 1865	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	16		17

### SECOND YEAR

Natural Science Elective	4	Natural Science Elective	4
HIS 212 The United States Since 1865	3	PHI 210 Intro to Philosophy	3
History Electives	6	History Electives	6
English/Foreign Language Elective	3	English/Foreign Language Elective	3
	16	Social Science Elective	3
			19

Total Required Semester Hours — 68

## AREA OF GEOGRAPHY

The Area of Geography offers a minor and provides elective courses for all the departments of the various divisions of the University. There are no prerequisites for any geography courses. A major program will be offered in the near future.



## OBJECTIVES

1. To develop understanding of the physical and cultural aspects of the earth in relation to man's economic, political, ecological, and social endeavors.
2. To broaden the background of students of other fields by offering service and elective courses and by participating in interdisciplinary activities of the University.
3. To interest students in and to prepare students for advanced studies and careers in Geography.

## PROGRAM REQUIREMENTS

Completion of a minimum of sixty-three (63) semester hours is required for an Associate of Arts degree in Geography. The composition of this degree is general education and a minimum of eighteen (18) hours in geography.

A minor in Geography consists of a minimum of eighteen (18) hours in geography only.

## PROGRAM OF STUDY ASSOCIATE OF ARTS — GEOGRAPHY

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
GGY 210 Principles of Geography	3	GGY 220 Regional Geography	3
HIS 110 World History to 1600	3	HIS 120 World History Since 1600	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
Elective	3	Elective	3
	16		17

### SECOND YEAR

GGY 440 Urban Geography	3	GGY 310 Economic Geography	3
GGY 360 Climates	3	GGY 431 Political Geography	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
Social Science Electives	6	Social Science Electives	6
	15		15

Total Required Semester Hours — 63

## **DEPARTMENT OF MATHEMATICS**

The Department offers five programs of study leading to undergraduate degrees in mathematics or computer science: (1) Bachelor of Science in Mathematics (Teaching Curriculum), (2) Bachelor of Arts in Mathematics (Non-Teaching Curriculum), (3) Bachelor of Arts in Mathematics/Computer Science (Non-Teaching Curriculum), (4) Associate of Arts in Mathematics, and (5) Associate of Arts in Mathematics/Computer Science.

### **OBJECTIVES**

1. To develop habits of thinking effectively, analytically, critically, and postulationally; thereby learning to reason by analogy and developing intellectual curiosity in mathematics especially as well as other related disciplines.
2. To develop competence in the mathematical skills and understanding for the highest degree of completion of each unit of work in any given course.
3. To communicate by thought through symbolism and expressive mathematical forms in all facets of mathematics pursued by all students to the degree which the student has the ability to perform.
4. To develop the ability to distinguish between relevant and irrelevant data and the application of these data in order to make appropriate judgments through the discrimination of values.
5. To develop intellectual independence through study of those courses in mathematics which apply to the curriculum chosen.
6. To advance culturally through a realization of the significance of mathematics as a discipline and in its relation to the total physical and social structure of the world.
7. To develop aesthetic appreciation and expression as a result of completing a course of study in mathematics.

### **PROGRAM REQUIREMENTS**

Specific course requirements for mathematics or computer science majors are listed in the program of study of the student's choice.

A candidate for any degree must have an overall grade average of "C" or better and at least a "C" in each mathematics and computer science course in the program of study.

Students are specifically advised that MAT 120 and 121 Introduction to Contemporary Mathematics I and II will not count toward the requirements for a major in mathematics or computer science.

Regular students must pass prerequisite courses prior to enrolling in more advanced courses in the department.

Electives chosen by mathematics majors must be approved by the Department of Mathematics.

Although the department offers all courses in the curriculum, a student may have to attend the main campus for some of his courses.

## PROGRAM OF STUDY BACHELOR OF SCIENCE — MATHEMATICS (TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 131 Algebra & Trigonometry	3	MAT 142 Analytical Geometry & Calculus I	4
PHY 111 General Physics	4	PHY 112 General Physics	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	14		16

### SOPHOMORE YEAR

MAT 241 Analytic Geometry & Calculus II	4	MAT 242 Analytic Geometry & Calculus III	4
MAT 251 Linear Algebra	3	MAT 262 Modern Geometry	3
PHY 211 Mechanics	4	Social Science Elective	3
Social Science Elective	3	English/Foreign Language Elective	3
English/Foreign Language Elective	3	SPE 310 Public Speaking	3
	17		16

### JUNIOR YEAR

MAT 331 Differential Equations I	4	MAT 362 Intro to Modern Algebra II	3
MAT 361 Intro to Modern Algebra I	3	MAT 390 Set Theory	3
EDU 310 Foundations of Education	3	MAT 411 Advanced Calculus I	4
EDU 330 Educational Psychology & Measurements	3	EDU 340 Human Development	3
Elective	3	Elective	3
	16		16

### SENIOR YEAR

MAT 461 Intro to the Theory of Real Variables	3	EDU 421 Principles of Secondary Education	3
CSC 101 Computer Programming Language (FORTRAN)	3	EDU 460 Methods and Materials of Teaching Mathematics	3
EDU 450 Teaching Reading in the Secondary School	3	EDU 480 Student Teaching in the Secondary School	6
Electives	6		
	15		12

Total Required Semester Hours — 122

# PROGRAM OF STUDY

## BACHELOR OF ARTS — MATHEMATICS (NON-TEACHING)

### FRESHMAN YEAR

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 131 Algebra & Trigonometry	3	MAT 142 Analytic Geometry & Calculus I	4
PHY 111 General Physics	4	PHY 112 General Physics	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 16

### SOPHOMORE YEAR

MAT 241 Analytic Geometry & Calculus II	4	MAT 242 Analytic Geometry & Calculus III	4
PHY 211 Mechanics	4	PHY 212 Heat	4
PHI 210 Intro to Philosophy	3	Social Science Elective	3
Social Science Elective	3	English/Foreign Language Elective	3
English/Foreign Language Elective	3	Elective	3
	<hr/> 17		<hr/> 17

### JUNIOR YEAR

MAT 251 Linear Algebra	3	MAT 332 Differential Equations II	4
MAT 331 Differential Equations I	4	MAT 362 Intro to Modern Algebra II	3
MAT 351 Probability & Statistics	4	MAT 390 Set Theory	3
MAT 361 Intro to Modern Algebra I	3	MAT 411 Advanced Calculus I	4
Elective	3	Elective	3
	<hr/> 17		<hr/> 17

### SENIOR YEAR

MAT 461 Intro to the Theory of Real Variables	3	MAT 472 Theory of Numbers	3
CSC 101 Computer Programming Language (FORTRAN)	3	Electives	9
Electives	6		
	<hr/> 12		<hr/> 12

Total Required Semester Hours — 122

# PROGRAM OF STUDY

## BACHELOR OF ARTS — MATHEMATICS (NON-TEACHING)

### CONCENTRATION IN COMPUTER SCIENCE

#### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 131 Algebra & Trigonometry	3	MAT 142 Analytic Geometry & Calculus I	4
PHY 111 General Physics	4	PHY 112 General Physics	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	14		16

#### SOPHOMORE YEAR

MAT 241 Analytic Geometry & Calculus II	4	MAT 242 Analytic Geometry & Calculus III	4
PHY 211 Mechanics	4	PHY 212 Heat	4
CSC 101 Computer Programming Language (FORTRAN)	3	CSC 102 Computer Programming Language (COBOL)	3
Social Science Elective	3	Social Science Elective	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
	17		17

#### JUNIOR YEAR

MAT 251 Linear Algebra	3	MAT 390 Set Theory	3
MAT 331 Differential Equations I	4	MAT 411 Advanced Calculus I	4
MAT 361 Intro to Modern Algebra I	3	CSC 310 Intro to Numerical Methods	3
CSC 201 Basic Computer Organiza- tion and Assembly Language Elective	3	CSC 402 Information Storage & Retrieval Elective	3
	16		16

#### SENIOR YEAR

MAT 351 Probability & Statistics	4	MAT 472 Theory of Numbers	3
CSC 401 Linear Programming Electives	6	CSC 300 Computer Applications in Mathematics Electives	6
	13		12

Total Required Semester Hours — 121

# PROGRAM OF STUDY

## ASSOCIATE OF ARTS — MATHEMATICS

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 131 Algebra & Trigonometry	3	MAT 142 Analytic Geometry & Calculus I	4
PHY 111 General Physics	4	PHY 112 General Physics	4
CSC 101 Computer Programming Language (FORTRAN)	3	MAT 262 Modern Geometry	3
Social Science Elective	3	Social Science Elective	3
	<hr/> 16		<hr/> 17

### SECOND YEAR

MAT 241 Analytic Geometry & Calculus II	4	MAT 242 Analytic Geometry & Calculus III	4
MAT 351 Probability & Statistics	4	MAT 251 Linear Algebra	3
MAT 361 Intro to Modern Algebra I	3	MAT 312 History of Mathematics	3
MAT 390 Set Theory	3	MAT 362 Intro to Modern Algebra II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
	<hr/> 20		<hr/> 19

Total Required Semester Hours — 72

# PROGRAM OF STUDY

## ASSOCIATE OF ARTS — MATHEMATICS CONCENTRATION IN COMPUTER SCIENCE

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 131 Algebra & Trigonometry	3	MAT 220 Applied Calculus	4
CSC 101 Computer Programming Language (FORTRAN)	3	CSC 102 Computer Programming Language (COBOL)	3
PHY 111 General Physics	4	CSC 310 Intro to Numerical Methods	3
Social Science Elective	3	PHY 112 General Physics	4
	<hr/> 16		<hr/> 17

### SECOND YEAR

CSC 200 Computer Operation	1	CSC 302 Computer Organization & Logic	3
CSC 201 Basic Computer Organiza- tion & Assembly Language	3	CSC 300 Computer Applications in Mathematics	3
CSC 400 Business Computer Systems & Applications	3	HIS/HUM Elective	3
CSC 401 Linear Programming	3	Social Science Elective	3
HIS/HUM Elective	3	English/Foreign Language Elective	3
English/Foreign Language Elective	3		
	<hr/> 16		<hr/> 15



## DEPARTMENT OF MODERN FOREIGN LANGUAGES

The Department of Modern Foreign Languages provides curricular offerings in French, German, and Spanish in the Associate of Arts.

An honors program is available for students in the elementary year of German, French, or Spanish. This program consists of those who show a high proficiency upon entrance.

### OBJECTIVES

1. To equip students with the basic linguistic skills of listening comprehension, speaking, reading, and writing the language with ease.
2. To provide knowledge of the grammatical structure of the language.
3. To give study to the various literary periods, leading works, and authors.
4. To provide a knowledge of foreign civilizations and cultures which will engender attitudes of tolerance, appreciation, and understanding of nations of peoples.
5. To prepare for the teaching of foreign languages as well as for linguistic endeavors in the areas of business, industry, or governmental work.

### PROGRAM REQUIREMENTS

The minor programs in either French, German, or Spanish have a requisite of twenty-four semester hours of the language inclusive of the six hours of elementary study or its equivalent. A concentration consists of eighteen hours of language study.

Students who have completed work in French, German, or Spanish in high school will be placed according to results of an entrance examination.

### MINOR PROGRAM IN FRENCH

The following courses are required for a minor in French:

FRE 110-120 Elementary French	6
FRE 211-212 Intermediate French	6
FRE 311 French Conversation I	3
FRE 312 French Conversation and Composition	3
FRE 321 Civilization and Culture	3
FRE 340 Survey of French Literature	3

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semester hours-24

## MINOR PROGRAM IN GERMAN

The following courses are required for a minor in German:

GER 110-120 Elementary German	6
GER 211-212 Intermediate German	6
GER 310 Advanced Conversation and Phonetics	3
GER 321 German Civilization	3
GER 322 Modern German Literature	3
GER 421 Advanced German	3

semester hours-24

## MINOR PROGRAM IN SPANISH

The following courses are required for a minor in Spanish:

SPA 110-120 Elementary Spanish	6
SPA 211-212 Intermediate Spanish	6
SPA 311 Spanish Conversation	3
SPA 312 Spanish Conversation and Composition	3
SPA 321 Spanish Civilization and Culture	3
SPA 340 Survey of Spanish Literature	3

semester hours-24

## PROGRAM OF STUDY ASSOCIATE OF ARTS DEGREE — FRENCH

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
FRE 211 Intermediate French*	3	FRE 212 Intermediate French*	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	17		18

### SECOND YEAR

FRE 311 French Conversation & Composition I	3	FRE 312 French Conversation & Composition II	3
FRE 321 French Civilization & Culture	3	FRE 331 Survey of French Literature II	3
FRE 322 Survey of French Literature I	3	PHI 210 Intro to Philosophy	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	15		15

Total Required Semester Hours — 65

\*The student is able to initiate language study with FRE 211 Intermediate French if he has previously completed two years of the language in high school.

# PROGRAM OF STUDY

## ASSOCIATE OF ARTS — SPANISH

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
SPA 211 Intermediate Spanish*	3	SPA 212 Intermediate Spanish*	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 17		<hr/> 18

### SECOND YEAR

SPA 311 Spanish Conversation	3	SPA 312 Spanish Conversation & Composition	3
SPA 321 Spanish Civilization & Culture	3	SPA 340 Survey of Spanish Literature	3
PHI 210 Intro to Philosophy	3	Social Science Elective	3
Social Science Elective	3	Elective**	3
	<hr/> 15		<hr/> 12

Total Required Semester Hours — 62

\*The student is able to initiate study with SPA 211 Intermediate Spanish if he has previously completed two years of the language in high school.

\*\*ENG 211-ENG 212 World Literature is recommended to fulfill this requirement.

# PROGRAM OF STUDY

## ASSOCIATE OF ARTS — GERMAN

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
GER 211 Intermediate German*	3	GER 212 Intermediate German*	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 17		<hr/> 18

### SECOND YEAR

GER 310 Advanced Conversation & Phonetics	3	GER 322 Modern German Literature	3
GER 321 German Civilization	3	GER 330 History of the German Language	3
GER 410 Survey of German Literature, Origins to 1900	3	GER 420 Survey of German Literature, 1900-Present	3

PHI 210 Intro to Philosophy	3	GER 421 Advanced Grammar	3
Social Science Elective	<u>3</u>	Social Science Elective	<u>3</u>
	15		15

Total Required Semester Hours — 65

\*The student is able to initiate language study with GER 211 Intermediate German if he has previously completed two years of the language in high school.

## **DEPARTMENT OF POLITICAL SCIENCE**

The Political Science programs offers both basic and advanced courses in the major areas of the discipline: (Area I) American Government and Politics, (Area II) Comparative Government and International Relations, and (Area III) Political Theory. Degree programs combine the breadth and flexibility of a basic liberal arts education with the opportunity to concentrate in an area of specialization. Both two-year and four-year degree programs are available. The opportunity is also provided for the study of government and politics by students majoring in other fields.

### **OBJECTIVES**

1. To provide the educational background requisite to literacy and competency in contemporary society.
2. To develop an understanding of the fundamental facts and theories relating to government and politics.
3. To develop an attitude of serious intellectual inquiry together with the tools of critical analysis and systemic study.
4. To provide the professional training for careers in teaching and police science.

### **PROGRAM REQUIREMENTS**

The Bachelor of Arts degree in political science is a four-year program requiring a total of 122 hours. In addition to the basic core subjects, thirty-three hours are required in political science. One course each should be from Area I and Area II and two courses from Area III. An average of "C" is required overall and in the major in order to graduate in any political science program.

The Bachelor of Science (teaching curriculum) degree in political science and history is one which requires 122 hours and is designed to prepare the student for certification to teach social studies courses in secondary school. Students in this curriculum should coordinate their work closely with both the Political Science Department and the Division of Education not later than the end of the second year.

The Bachelor of Arts degree in political science with a police science concentration is a program which provides professional law enforcement training together with a sound liberal arts curriculum in political science. It requires 125 hours, including 21 hours in police science and 21 hours in political science.

The Associate of Arts degree in political science is a two-year program requiring 62 hours. Eighteen hours are required in

political science, including American Government and at least one additional course each in Areas I and II.

The Associate of Arts degree in police science is a two-year program comprising 77 hours. It provides for a complete training sequence in law enforcement courses together with the basic supporting college courses.

### **MINOR PROGRAM IN POLITICAL SCIENCE**

POL 210 Principles of American Government	3
POL 350 Government and Politics of Africa, or	
POL 351 Government and Politics of Europe, or	
POL 352 Government and Politics of Asia, or	
H/P 310 Political History of Contemporary China	3
POL 450-460 History of Political Theory I & II	6
Political Science Electives	6
	<hr/>
Semester Hours-	18

### **MINOR PROGRAM IN POLICE SCIENCE**

PSC 101 Introduction to Law Enforcement	3
PSC 111 Criminal Law	3
PSC 232 Police Organization and Administration	3
Political Science Electives	9
	<hr/>
Semester Hours-	18

## **PROGRAM OF STUDY**

## **BACHELOR OF ARTS — POLITICAL SCIENCE (NON-TEACHING)**

### **FRESHMAN YEAR**

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PHI 210 Intro to Philosophy	3	POL 210 Principles of American Government	3
Elective	3	HED 112 Personal Hygiene	2
PED 000-130 Physical Education	1		
	<hr/>		<hr/>
	16		14

### **SOPHOMORE YEAR**

English/Foreign Language Elective	3	English/Foreign Language Elective	3
Natural Science Elective	4	Natural Science Elective	4
Social Science Elective	3	Social Science Elective	3
HIS 211 The United States to 1864	3	HIS 212 The United States Since 1865	3
Elective GGY Reg Geog	3	Elective	3
	<hr/>		<hr/>
	16		16



## JUNIOR YEAR

Political Science Area I Elective	3	Political Science Area II Elective	3
Political Science Electives, any Area	6	Political Science Electives, any Area	6
Electives	6	Electives	6
	<hr/> 15		<hr/> 15

## SENIOR YEAR

Political Science Area III Elective	3	Political Science Area III Elective	3
Political Science Elective, any Area	3	POL 471 Research Seminar or POL 480 Senior Seminar or POL 490 Advanced Reading & Research	3
Electives	9	Electives	9
	<hr/> 15		<hr/> 15

Total Required Semester Hours — 122

A single course may not be used to fill more than one requirement. Electives should be selected in accordance with educational objectives, and students should consult with their adviser in making these choices. See course descriptions for courses included in each Political Science Area.

# PROGRAM OF STUDY

## BACHELOR OF ARTS — POLITICAL SCIENCE POLICE SCIENCE CONCENTRATION (NON-TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
SOC 210 Principles of Sociology	3	GGY 210 Principles of Geography	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 17		<hr/> 18

### SOPHOMORE YEAR

HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
Social Science Elective	3	POL 210 Principles of American Government	3
ART 432 Basic Photography	3	Social Science Elective	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
Elective	3	Elective	3
	<hr/> 15		<hr/> 15

## JUNIOR YEAR

PSC 101 Intro to Law Enforcement	3	H/P 342 Civil Rights and the Constitution	3
PSC 111 Criminal Law	3	SOC 360 Sociology of Deviant Behavior	3
PSY 210 General Psychology	3	PSC 230 Criminal Evidence	3
H/P 341 Constitutional Law & History	3	POL 450 History of Political Theory I	3
PSC 102 Highway Traffic Administration	3	PSC 210 Criminal Investigation	3
	<hr/> 15		<hr/> 15

## SENIOR YEAR

SPE 310 Public Speaking	3	POL 320 State & Local Government	3
PSC 221 Intro to Criminalistics	3	PSC 232 Police Organization & Administration	3
POL 460 History of Political Theory II	3	EDU 340 Human Development	3
Political Science Elective	3	Political Science Elective	3
Elective	3	Elective	3
	<hr/> 15		<hr/> 15

Total Required Semester Hours — 125

## PROGRAM OF STUDY ASSOCIATE OF ARTS — POLITICAL SCIENCE

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
POL 210 Principles of American Government	3	Political Science Area I Elective	3
Social Science Elective	3	Social Science Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
Elective	3		
	<hr/> 16		<hr/> 14

### SECOND YEAR

Political Science Area II Elective	3	Political Science Electives, any Area	6
English/Foreign Language Elective	3	English/Foreign Language Elective	3
HIS/HUM Elective	3	Natural Science Elective	4
Political Science Elective, any Area	3	HIS/HUM Elective	3
Natural Science Elective	4		
	<hr/> 16		<hr/> 16

Total Required Semester Hours — 62

A single course may not be used to fill more than one requirement.  
See course descriptions for courses included in each Political Science Area.

# PROGRAM OF STUDY

## ASSOCIATE OF ARTS — POLICE SCIENCE

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
PSC 101 Intro to Law Enforcement	3	POL 210 Principles of American Government	3
HIS/HUM Elective	3	SOC 210 Principles of Sociology	3
Political Science Electives	6	HIS/HUM Elective	3
PED 000-130 Physical Education	1	Police Science Elective	3
		HED 112 Personal Hygiene	2
	19		20

### SECOND YEAR

POL 320 State & Local Government	3	Natural Science Elective	4
Natural Science Elective	4	ART 432 Basic Photography	3
EDU 340 Human Development	3	H/P 341 Constitutional Law & History or	
English/Foreign Language Elective	3	H/P 342 Civil Rights & the Constitution	3
SOC 340 Crime & Delinquency	3	Police Science Elective	3
Police Science Elective	3	Social Science Elective	3
		English/Foreign Language Elective	3
	19		19

Total Required Semester Hours — 77

## **DEPARTMENT OF PSYCHOLOGY**

The Fort Bragg Center currently offers a variety of courses in Psychology as a major and in support of other disciplines. Associate of Arts and Bachelor of Science degrees as well as a minor in Psychology are offered. The Associate of Arts degree in Psychology is awarded after successful completion of two years of college work with an emphasis in behavioral science. In addition to the General Education requirements, the student will complete nine hours of Psychology above the introductory level. He will complete twelve additional hours of related electives, part of which may consist of further coursework in Psychology. The Baccalaureate program in Psychology will serve the student who wishes to complete a four-year program in the study of principles of individual behavior.

### **OBJECTIVES**

1. To prepare the student for employment with agencies which require this educational background.
2. To prepare the student for graduate study in Psychology.
3. To introduce the student to certain methods and principles of scientific research in Psychology.
4. To develop the student's ability to critically evaluate research findings in Psychology and in other areas of science.

### **PROGRAM REQUIREMENTS**

The curriculum includes courses emphasizing both the biological and the social aspects of individual functioning. The student may elect to pursue a degree in Psychology without a minor and thus broaden his background in other natural and social/behavioral sciences; or he may, with departmental approval, adjust certain of the following requirements to complete a minor in another department. Minors in biological science or a social/behavioral science are especially recommended. A minimum grade of "C" is required in all courses in Psychology for students who major or minor in Psychology.

A minor consists of twenty-one hours in Psychology, which includes PSY 210 General Psychology and PSY 220 Principles of Behavior. A major in Psychology consists of thirty-seven hours in Psychology courses as specified in the curriculum guide.

# PROGRAM OF STUDY

## BACHELOR OF SCIENCE — PSYCHOLOGY (NON-TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
BIO 111 Biological Science or ZOO 111 General Zoology or PSI 111 Physical Science	3 or 4	BIO 122 Biological Science or ZOO 112 General Zoology or PSI 112 Physical Science	3 or 4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 13 or 14		<hr/> 14 or 15

### SOPHOMORE YEAR

PSY 210 General Psychology	3	PSY 230 Design & Analysis of Experiments	3
HUM/ART/MUS/PHI Elective	3	SPE 310 Public Speaking	3
English/Foreign Language Elective	3	PSY 220 Principles of Behavior	3
Approved Electives or Minor	6	English/Foreign Language Elective	3
		Approved Elective or Minor	3 or 4
	<hr/> 15		<hr/> 15 or 16

### JUNIOR YEAR

PSY 320 Learning & Motivation Social Science/Natural Science Elective	3 or 4	PSY 370 Biological Foundations of Behavior	3
Psychology Electives	6	Electives in Psychology	6
Approved Elective or Minor	3	Approved Electives or Minor	9
	<hr/> 15 or 16		<hr/> 18

### SENIOR YEAR

PSY 450 Experimental Psychology	4	Approved Electives, Minor or Psychology	15
Psychology Electives	3		
Approved Electives or Minor	9		
	<hr/> 16		<hr/> 15

Total Required Semester Hours — 121-125

A Minor is strongly recommended.

Electives must be approved by the Department Coordinator. Preferred areas will be the Social Sciences, Natural Sciences, and Computer Sciences.

# PROGRAM OF STUDY

## ASSOCIATE OF ARTS — PSYCHOLOGY

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
PSY 210 General Psychology	3	PSY 340 Human Development	
HIS/HUM Elective	3	OR	
PED 000-130 Physical Education	1	PSY 220 Principles of Behavior	3
		PHL 210 Intro to Philosophy	
		OR	
		Elective	3
		HIS/HUM Elective	3
		HED 112 Personal Hygiene	2
	<hr/> 13		<hr/> 17

### SECOND YEAR

BIO 111 Biological Science OR		BIO 112 Biological Science OR	
ZOO 111 General Zoology OR		ZOO 112 General Zoology OR	
PSI 111 Physical Science	3 or 4	PSI 112 Physical Science	3 or 4
English/Foreign Language Elective	3	English/Foreign Language Elective	3
Psychology Elective	3	Psychology Elective	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	<hr/> 16		<hr/> 16

Total Required Semester Hours — 62



## **DEPARTMENT OF SOCIOLOGY**

The Department offers two programs for majors. One program allows a student to pursue a major in the social sciences and a major in sociology simultaneously. This program leads to a Bachelor of Science (B.S.) degree and prepares the student to teach in the public schools.

A major in Sociology is also provided in a non-teaching or liberal arts program. This program leads to the Bachelor of Arts (B.A.) degree. This program does not prepare the student to teach in the public schools.

### **OBJECTIVES**

1. To acquaint students with the development of human society through a study of the sociological, historical, economic, political, and geographical (including human and physical) factors which shape society.
2. To prepare students for the teaching of the social sciences in the secondary schools.
3. To prepare students for graduate work and related professional training.
4. To meet the needs of students who are interested in social work, government service, labor relations, industrial relations, pre-law, college teaching, research, and kindred careers.
5. To acquaint the student with some of the basic tools and methods of the sociologist.

### **PROGRAM REQUIREMENTS**

A student is required to maintain a "C" average in all courses in sociology, history, political science, economics, foreign languages and geography for his acceptance as part of the major or concentration requirement.

The teaching curriculum requires a minimum of twenty-one (21) hours of credit in history; six (6) hours in economics; three (3) semester hours in either geography or political science; and the appropriate courses to meet state certification.

The Bachelor of Arts Non-Teaching curriculum requires a minimum of thirty-six (36) semester hours credit in sociology. A student must also obtain twenty-one (21) additional hours of credit for a concentration (minor) outside of the major field. In addition, the student is required to obtain six (6) semester hours of a foreign language or six (6) hours of advanced English electives. The student is free to select a concentration in any area of his choice. How-

ever, it is suggested that the student endeavor to select a concentration as closely allied to his major as possible.

The student who is oriented toward social work should enroll in the methods courses after completing SWK 320 Principles of Social Work. The student should enroll in SWK 420 Methods of Social Case and Group Work, which is to be followed by SWK 450 Agency Laboratory Experience. The sequence must be: SWK 320, SWK 420 and SWK 450.

If the student is not oriented toward some phase of social work, he may, upon completion of SWK 320, continue with either his sociology electives, an area of concentration or both.

In addition to the programs listed, the Department of Sociology offers a program leading to an Associate of Arts (A.A.) degree.

### **MINOR PROGRAM IN SOCIOLOGY**

SOC 210 Principles of Sociology	3
SOC 311 Culture and Personality	3
SOC 342 Minorities	3
SOC 352 Social Stratification	3
SOC 431 Sociological Theory	3
Sociology Electives	6

semester hours-21

## **PROGRAM OF STUDY BACHELOR OF ARTS — SOCIOLOGY (NON-TEACHING)**

### **FRESHMAN YEAR**

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 15

### **SOPHOMORE YEAR**

English/Foreign Language Elective	3	English/Foreign Language Elective	3
Electives	6	ANT 210 Intro to Anthropology	3
SOC 210 Principles of Sociology	3	PSY 210 General Psychology	3
ECO 211 Principles of Economics: Macroeconomics	3	POL 210 Principles of American Government	3
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
	<hr/> 18		<hr/> 15

## JUNIOR YEAR

SOC 311 Culture & Personality	3	SOC 352 Social Stratification	3
SOC 340 Crime & Delinquency	3	SOC 332 Social Statistics	3
SWK 320 Principles of Social Work	3	SOC 342 Minorities	3
Electives (Concentration)	6 or 9	Electives	6 or 9
	15 or 18		15 or 18

## SENIOR YEAR

SOC 411 Sociological Research Methods	3	SOC 442 Urban Sociology	3
SOC 431 Sociological Theory	3	SOC 422 Collective Behavior	3
ECO 430 Economic Problems	3	SOC 480 Sociological Seminar	3
Electives (Concentration)	6	SOC Electives (Concentration)	6
	15		15

Total Required Semester Hours — 120 to 128

If a student has a social work orientation, he should take SWK 350 — Community Organization or SWK 420 — Methods of Social Case and Group Work, followed by SWK 450 — Agency Laboratory Experience.

# PROGRAM OF STUDY BACHELOR OF SCIENCE SOCIAL SCIENCE AND SOCIOLOGY (TEACHING)

## FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	14		15

## SOPHOMORE YEAR

English/Foreign Language Elective	3	English/Foreign Language Elective	3
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
SOC 210 Principles of Sociology	3	HIS 110 World History to 1600	3
ECO 211 Principles of Economics: Macroeconomics	3	POL 210 Principles of American Government or	
Elective	3	GGY 210 Principles of Geography	3
History Elective	3	ANT 210 Intro to Anthropology	3
	18	Elective	3
			18

## JUNIOR YEAR

SOC 311 Culture & Personality	3	SOC 332 Social Statistics	3
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SOC 340 Crime & Delinquency	3	SOC 342 Minorities	3
EDU 310 Foundations of Education	3	SOC 352 Social Stratification	3
EDU 330 Educational Psychology & Measurements	3	EDU 340 Human Development	3
HIS 311 Modern European History, 1648-1815	3	HIS 312 Modern European History, 1815-Present	3
History Elective	3	Elective	3
	<hr/> 18		<hr/> 18

### SENIOR YEAR

SOC 411 Sociological Research Methods	3	EDU 460 Methods & Materials in Secondary School Subjects	3
ECO 430 Economic Problems	3	EDU 421 Principles of Secondary Education	3
SOC 431 Sociological Theory	3	EDU 480 Student Teaching in Secondary Schools	6
Sociology Elective	3		
EDU 450 Teaching of Reading in Secondary Schools	3		
	<hr/> 15		<hr/> 12

Total Required Semester Hours — 120 to 128

Each student who plans to teach on the elementary or secondary level is required to file with Teacher Education Committee an application for student teaching no later than the end of the junior year.

## PROGRAM OF STUDY ASSOCIATE OF ARTS — SOCIOLOGY

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 14		<hr/> 15

### SECOND YEAR

SOC 210 Principles of Sociology	3	SOC 332 Social Statistics	3
SOC 311 Culture & Personality	3	SOC 340 Crime & Delinquency	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PSY 210 General Psychology	3	SOC 342 Minorities	3
ANT 210 Intro to Anthropology	3	SOC 360 Sociology of Deviant Behavior	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
	<hr/> 18		<hr/> 18

Total Required Semester Hours — 65

## **DIVISION OF BUSINESS**

### **PURPOSE**

The Division of Business consists of the Department of Business Administration and Economics and the Department of Business Education.

The Division recognizes that one of its main purposes is that of creating an environment where learning can take place. A second and equally important goal is that of making available the skills necessary to satisfy the demands of a dynamic society. In other words, the Division seeks to serve the needs of both students and society by providing courses that prepare the student to assume professional and managerial responsibilities common to the business and professional world.

To meet market demand, courses are offered in accounting, teaching, office management, computer science, marketing, finance, insurance, banking, advertising, real estate, business management, government services, and school administration.

### **OBJECTIVES**

The Division of Business has four basic objectives:

1. To serve the academic needs of undergraduate students seeking preparation for professional and managerial positions in business administration, accounting, marketing, and economics.
2. To provide undergraduate curricula for the preparation of professional educators for high schools and vocational schools.
3. To provide the educational and environmental experiences necessary for those who wish to pursue graduate study.
4. To provide public services and to promote research.

### **PROGRAMS**

At the present time the Division of Business offers curricula leading to the Bachelor of Science degree and the Associate of Arts degree. Students may choose undergraduate programs in Business Administration or in Business Education. Basic and upper-level courses are offered in Economics.

Public service courses are offered by the Division through the Continuing Education Program and the Weekend College Program.

Finally, the Division of Business relies upon other educational units to provide general education for students majoring in

business areas. Similarly, the Division provides service courses for students in other disciplines throughout the University.

## **DEPARTMENT OF BUSINESS ADMINISTRATION & ECONOMICS**

### **OBJECTIVES**

1. To present students with a well rounded and practical business education based upon a broad foundation in liberal arts.
2. To prepare our graduates for positions of leadership in a wide variety of business and administrative areas.
3. To develop a capacity and academic base for continued intellectual growth in areas of greatest demand by the business community, such as accounting and finance.
4. To develop versatile capabilities of a practical nature and to develop the student's ability to think and make decisions in the real world of business.
5. To provide educational opportunities on a short-term basis through one- and two-year business programs for students seeking employment or advancement without completing a baccalaureate program.

### **PROGRAM REQUIREMENTS**

All students in the Department are required to complete the General Studies or liberal arts courses. A guiding principle of the Department stresses broad fundamentals as they relate to the objectives above in the student's preparation for subsequent specialization. To this end, each program is constructed around a core of courses in the major functional areas of business and economics.

Students desiring to pursue a concentration field in the Business Administration curriculum must satisfy all major requirements in the specialized areas of business and economics, including courses in accounting, finance, marketing, business law, statistics, data processing, and at least five electives from the concentration field. Students choosing a General Business program will choose eight electives from the total listing.



# PROGRAM OF STUDY BACHELOR OF SCIENCE BUSINESS ADMINISTRATION WITH SELECTED CONCENTRATION

## FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
History Elective	3	History Elective	3
Natural Science Elective	4	Natural Science Elective	4
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	14		15

## SOPHOMORE YEAR

Humanities Elective	3	Humanities Elective	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
ACT 211 Principles of Accounting I	3	ACT 212 Principles of Accounting II	3
ECO 211 Principles of Economics: (Macroeconomics)	3	ECO 212 Principles of Economics: (Microeconomics)	3
POL 210 Principles of American Government	3	BED 111 Elementary Typewriting	2
BAD 210 Mathematics for Business	3	SPE 200 Intro to Speech	3
	18		17

## JUNIOR YEAR

ACT 311 Intermediate Accounting I	3	ACT 312 Intermediate Accounting II	3
MGM 311 Principles of Management	3	BAD 311 Business Statistics	3
BED 220 Business Machines	3	PSY 210 General Psychology	3
BAD 411 Business Law I	3	BED 310 Business Communications	3
*Electives	6	*Electives	6
	18		18

## SENIOR YEAR

BAD 200 Intro to Data Processing	3	ECO 320 Money, Banking and Financial Institutions	3
MGM 420 Human Relations in Business Practices	3	FIN 311 Principles of Finance	3
MKT 310 Marketing	3	*Electives	9
ECO 311 Intermediate Economic Theory: Production & Distribution			
OR			
ECO 430 Economic Problems	3		
*Elective	3		
	15		15

Total Required Semester Hours — 127

\*Electives must be from Accounting, Economics, Finance, Management or Marketing Courses.



## CONCENTRATION ELECTIVES

	<b>Sem. Hrs.</b>
<b>ACCOUNTING:</b>	
ACT 310 Managerial Accounting	3
ACT 320 Federal and State Income Taxes	3
ACT 321 Cost Accounting	3
ACT 322 Advanced Cost Accounting	3
ACT 411 Advanced Accounting	3
ACT 412 Governmental and Public Accounting	3
ACT 421 Accounting Systems	3
ACT 422 Auditing	3
BAD 312 Business Statistics II	3
BAD 412 Business Law II	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
<b>ECONOMICS:</b>	<b>Sem. Hrs.</b>
BAD 312 Business Statistics II	3
BAD 320 Quality Control and Industrial Statistics	3
BAD 330 Industrial Relations and Labor Marketing	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
ECO 311 Intermediate Economic Theory: Production and Distribution	3
ECO 312 Intermediate Economic Theory: Aggregate Economics and Policy	3
ECO 330 Public Finance	3
ECO 340 Economic Development	3
ECO 343 Urban Economics	3
ECO 350 International Trade and Policy	3
ECO 410 Economic History	3
ECO 412 Econometrics	3
ECO 420 Comparative Economic Systems	3
<b>FINANCE:</b>	<b>Sem. Hrs.</b>
ACT 310 Managerial Accounting	3
ACT 320 Federal and State Income Taxes	3
BAD 312 Business Statistics II	3
BAD 412 Business Law II	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
ECO 310 Managerial Economics	3
ECO 311 Intermediate Economic Theory: Production and Distribution	3
ECO 312 Intermediate Economic Theory: Aggregate Economics and Policy	3
ECO 320 Money, Banking and Financial Institutions	3
ECO 330 Public Finance	3
ECO 410 Economic History	3
FIN 320 Financial Management	3
FIN 330 Personal Finance	3
FIN 340 Principles of Insurance	3
FIN 350 Real Estate	3
FIN 410 Investments	3
<b>MANAGEMENT:</b>	<b>Sem. Hrs.</b>
ACT 310 Managerial Accounting	3

ACT 320 Federal and State Income Taxes	3
BAD 320 Quality Control and Industrial Statistics	3
BAD 330 Industrial Relations and Labor Marketing	3
BAD 351 Survey of the Black Man's Role in the Business World	3
BAD 412 Business Law II	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
ECO 310 Managerial Economics	3
ECO 311 Intermediate Economic Theory: Production and Distribution	3
ECO 312 Intermediate Economic Theory: Aggregate Economics and Policy	3
ECO 350 International Trade and Policy	3
FIN 330 Personal Finance	3
FIN 340 Principles of Insurance	3
FIN 350 Real Estate	3
MGM 311 Principles of Management	3
MGM 320 Small Business Management	3
MGM 340 Hotel and Motel Management	3
MGM 410 Personnel Management	3
MGM 420 Human Relations in Business Practices	3

**Sem.  
Hrs.**

#### **MARKETING:**

ACT 310 Managerial Accounting	3
ACT 320 Federal and State Income Taxes	3
BAD 312 Business Statistics II	3
BAD 320 Quality Control and Industrial Statistics	3
BAD 330 Industrial Relations and Labor Marketing	3
BAD 351 Survey of the Black Man's Role in the Business World	3
BAD 352 The Black Man in Contemporary Capitalistic Society	3
BAD 412 Business Law II	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
FIN 340 Principles of Insurance	3
FIN 350 Real Estate	3
MKT 321 Salesmanship	3
MKT 322 Advertising	3
MKT 330 Retailing	3
MKT 460 Marketing Research	3
MGM 410 Personnel Management	3

## **PROGRAM OF STUDY ASSOCIATE OF ARTS BUSINESS ADMINISTRATION**

### **FIRST YEAR**

<b>First Semester</b>	<b>Sem. Hrs.</b>	<b>Second Semester</b>	<b>Sem. Hrs.</b>
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
BED 210 Intro to Business	3	BED 111 Elementary Typewriting or	
HIS/HUM Elective	3	BED 112 Intermediate Typewriting	2
Natural Science Elective	4	HIS/HUM Elective	3
PED 000-130 Physical Education	1	Natural Science Elective	4

ECO 211 Principles of Economics:	
Macroeconomics	3
HED 112 Personal Hygiene	2
	<hr/> 20

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## SECOND YEAR

ECO 212 Principles of Economics:		ACT 212 Principles of Accounting II	3
Microeconomics	3	MKT 310 Marketing	3
ACT 211 Principles of Accounting I	3	BAD 200 Intro to Data Processing	3
MGM 320 Small Business		PSY 210 General Psychology	3
Management	3	SPE 200 Intro to Speech	3
BED 310 Business Communications	3		
BAD 411 Business Law I	3		
	<hr/> 15		<hr/> 15

Total Required Semester Hours — 67

## PROGRAM OF STUDY ASSOCIATE OF ARTS SECRETARIAL SCIENCE

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
CSK 112 Ideas & Their Expression	3	CSK 221 Ideas & Their Expression	3
MAT 111 Quan. & Anal. Thinking	3	MAT 112 Quan. & Anal. Thinking	3
BED 111 Elementary Typewriting	2	BED 112 Intermediate Typewriting	2
BED 221 Elementary Shorthand	3	BED 222 Intermediate Shorthand	3
BED 210 Intro to Business	3	BED 220 Business Machines	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	<hr/> 15		<hr/> 16

### SECOND YEAR

ACT 211 Principles of Accounting I	3	ACT 312 Principles of Accounting II	3
BED 310 Business Communications	3	BED 312 Adv. Shorthand & Trans. II	3
BED 211 Advanced Typewriting	2	BED 420 Office Management	3
BED 311 Adv. Shorthand & Trans.	3	BED 412 Secretarial Internship	3
BED 411 Administrative Sec. Proc.	3	BAD 200 Intro to Data Processing	3
SPE 200 Intro to Speech	3		
	<hr/> 17		<hr/> 15

Total Required Semester Hours — 63

# **DIVISION OF EDUCATION AND HUMAN DEVELOPMENT**

## **PURPOSE**

The Division of Education and Human Development is committed to striving for attainment of excellence; therefore, the instructional programs focus on the uniqueness of the individual. The Division's basic purposes grow out of its expressed philosophy. Within this philosophical framework, the total development of each individual is viewed as a means of helping each student to develop those competencies, skills, and behavior which are germane to providing quality leadership at the elementary and secondary school levels.

## **OBJECTIVES**

The Division of Education and Human Development has the following objectives:

1. To provide a background of professional information which is relevant in the preparation of elementary and secondary school teachers.
2. To develop an appreciation for teaching as a worthy profession.
3. To develop those understandings among pre-service and in-service teachers as they relate to growth and developmental patterns of elementary and secondary school pupils which enable a teacher to perform more effectively in the classroom.
4. To provide pre-service and in-service teachers with those understandings of the foundations of education, (historical, philosophical, psychological, and sociological) which enable a teacher to perform more effectively in the classroom.
5. To provide meaningful opportunities for pre-service teachers to engage in early clinical experiences with children in a variety of experiences which pre-service teachers have had with children through professional laboratory experiences during their student internship in cooperating public schools.
6. To develop a commitment to the code of ethics for professional educators.
7. To provide opportunities for qualified students to pursue graduate programs in elementary and secondary education.

## **PROGRAMS**

The Division of Education and Human Development includes the Department of Education and Department of Health, Physical Education and Recreation.

The Division is not only the nucleus of the teacher education program, but is, in like vein, an auxiliary service for two additional divisions which offer certain teacher education curricula.

The Department of Education and Physical Education provide an intensive program of study for Early Childhood Education (K-3), Intermediate Education (4-9), and Psychology majors.

The Bachelor of Science degree is conferred in the major fields of Early Childhood Education and Intermediate Education. Programs leading to the Associate of Arts Degree are also provided in the areas of Early Childhood Education, General Education and Intermediate Education.

## **DEPARTMENT OF EDUCATION**

In the major fields of Early Childhood Education and Intermediate Education, the Bachelor of Science Degree is conferred. Programs leading to the Associate of Arts Degree are also provided in the areas of Early Childhood Education, General Education, and Intermediate Education.

### **OBJECTIVES**

1. To develop knowledge and appreciation of the history and philosophy underlying the development of the educational system.
2. To develop knowledge of the sociological and psychological factors which influence the learning process.
3. To develop knowledge of child development as it is related to the total educational experience.
4. To develop knowledge of skills and competencies required for effective teaching in the chosen field.
5. To develop competency in evaluating the results of teaching and learning.
6. To develop an appreciation of teaching as a profession.

### **PROGRAM REQUIREMENTS**

The following requirements apply to the baccalaureate degree programs in the Department of Education:

1. For both baccalaureate degrees in Early Childhood and Intermediate Education, a total of 122 semester hours is required for graduation.
2. Intermediate Education majors are required to have a concentration in one of the following content areas: Art Education, English Language and Literature, Speech and Theatre,

French, Spanish, General Science, Physical Science, History, Mathematics, Music, and Sociology. Each of the concentrations above requires 18 semester hours with the exception of the following which require semester hours as shown: Art Education — 19 semester hours; General Science — 24 semester hours; and Physical Science and Music — 23 semester hours respectively.

3. Although Early Childhood Education majors are not required to have a concentration, they are required to have an emphasis in Art and Music combined totaling 12 semester hours in addition to required courses: Art 411 and Music 340.
4. Early Childhood Education majors are required to complete 29 hours in the professional sequence of education courses, and Intermediate Education majors must complete 32 semester hours in the professional education sequence inclusively. Moreover, a grade of "C" is the minimum passing grade for all professional education courses for each of the above majors.
5. Elementary Education majors and Intermediate Education majors are required to apply for Admission to Teacher Education and be officially admitted to the Teacher Education Program before they are permitted to take any of the professional education courses. In order for a student to be admitted to the Teacher Education Program, a minimum of 45 semester hours must have been completed with an overall grade of "C".

### **ADMISSION TO STUDENT TEACHING**

The following requirements apply to any student who plans to engage in student teaching on either the elementary or secondary school level:

1. Take the Teacher Education Examination Test at the end of the junior year.
2. Each student who plans to teach on the elementary or secondary school level must file an application for student teaching with the chairman of his department no later than the end of the junior year.
3. Student teaching applications will be presented to the Teacher Education Committee by the chairman for the purpose of evaluation and approval or disapproval.
4. After the student teacher's application has been evaluated, the Committee will notify the applicant by letter within two weeks regarding the student's Teacher Education Status. The



student teaching applicant will be notified in one of the following ways:

- a. The applicant will be notified that he has been approved, subject to the final completion of all prerequisites and the attainment and maintenance of the required standards for admission at the time he is scheduled to engage in student teaching.
- b. The applicant will be notified that he has been disapproved with a statement of the reason for disapproval.
5. The following specific requirements for student teaching must be met before an applicant will be admitted to student teaching:
  - a. The applicant must have completed the professional education sequence.
  - b. The applicant must have a grade-point average of 2.00 or above.
  - c. The applicant must have exhibited acceptable standards of deportment at the University and the community of Fayetteville.
  - d. The applicant must possess good health as officially verified by the University physician.
  - e. The applicant must have the approval and recommendation of his major Departmental Chairman.
6. If a student has been approved for admission to student teaching and does not complete all prerequisites or maintain the standards for admission at the time he is scheduled to begin his directed experiences, his case shall be subject to review by the Teacher Education Committee before he is allowed to re-enter the student teaching program at a later date.

### **ADMISSION TO THE TEACHER EDUCATION PROGRAM**

The following requirements apply to any student who plans to pursue a teaching degree whether on the elementary or secondary school level:

1. A student is eligible to file an application with the departmental chairman for Admission to the Teacher Education Program upon the completion of the freshman course of study.
2. The departmental chairman will present the application with his recommendation to the Teacher Education Committee.
3. The Teacher Education Committee will review each student's application and notify the applicant, the chairman, and the



- student's adviser by letter within two weeks regarding the applicant's Teacher Education status.
4. Eligible transfer students entering the University must file a formal application for Admission to the Teacher Education Program at the time of their initial registration.
  5. Eligible returning students who have not applied for Admission to the Teacher Education Program must file a formal application at least thirty days prior to their re-entry into the University.
  6. In terms of specificity, the following requirements must be met before an applicant is admitted to the Teacher Education Program:
    - a. The applicant must have completed the freshman course of study.
    - b. The applicant must have a grade-point average of 2.00 or above.
    - c. The applicant must possess good physical and mental health as officially verified by the University physician.
    - d. The applicant must have an acceptable deportment rating officially verified by the Associate Dean of Students.
    - e. The applicant must evidence competency in language usage and speech to the extent that effective communications will take place in the teaching-learning situation.
    - f. The applicant must be personally fit for and have interests suitable to the profession of teaching as verified by the Counseling Center.
  7. A student who has been admitted to the Teacher Education Program, but who subsequently fails to maintain a minimal grade-point average of 2.00 will be immediately withdrawn from the program.
  8. Students may be granted conditional admission to the Teacher Education Program:
    - a. If not more than four semester hours of the freshman studies lacks completion.
    - b. If their health, speech, deportment, personality, interest, or any other deficiencies are corrective.
  9. Students who have been admitted conditionally to the Teacher Education Program, and who fail to remove specific deficiencies within a year will be notified to withdraw from the program.
  10. An applicant who has not been approved for Admission to the Teacher Education Program will be permitted to file a sup-

plementary application when he has met the necessary qualification.

11. The University, upon the recommendation of the Teacher Education Committee, reserves the right to modify, delete, or add to the foregoing requirements if the need arises. The student should, therefore, consult his coordinator concerning the most recent changes in admission to the Teacher Education Program.

## PROGRAM OF STUDY BACHELOR OF SCIENCE EARLY CHILDHOOD EDUCATION (TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	14		15

### SOPHOMORE YEAR

PHI 210 Intro to Philosophy	3	ANT 210 Intro to Anthropology	3
PSY 210 General Psychology	3	SPE 200 Intro to Speech	3
GGY 210 Principles of Geography	3	GEO 311 Intro to Geology	3
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
English/Foreign Language Elective	3	English/Foreign Language Elective	3
	15		15

### JUNIOR YEAR

EDU 310 Foundations of Education	3	HED 321 Health in Early Childhood Education or	
EDU 340 Human Development	3	HED 421 Principles, Practices & Procedures in Health Education	3
MUS 340 Early Childhood Music	3	EDU 330 Educational Psychology & Measurements	3
PED 260 Theory & Practice in Elementary Physical Education	3	EDU 360 Audio-Visual Education	3
EDU 352 Foundations of Early Childhood Education	3	ART 411 Art in Childhood Education	3
EDU 411 Teaching of Reading	3	EDU 412 Corrective & Remedial Reading in Elementary Education	3
		Elective	3
	18		18

## SENIOR YEAR

ENG 300 Children's Literature	3	EDU 470 Student Teaching in the	
Art/Music Electives	12	Elementary School	6
		EDU 420 Methods, Materials,	
		Practices, and Observations in	
		Early Childhood Education	6
	15		12

Total Required Semester Hours — 122

## PROGRAM OF STUDY BACHELOR OF SCIENCE INTERMEDIATE EDUCATION (TEACHING)

### FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	2
	14		15

### SOPHOMORE YEAR

English/Foreign Language Elective	3	English/Foreign Language Elective	3
HIS 211 The United States to 1865	3	HIS 212 The United States Since 1865	3
PSY 210 General Psychology	3	SOC 210 Principles of Sociology	3
PHI 210 Intro to Philosophy	3	ECO 211 Principles of Economics:	
GGY 210 Principles of Geography	3	Macroeconomics	3
		GEO 311 Intro to Geology	3
	15		15

### JUNIOR YEAR

MUS 210 Music Appreciation	3	PED 260 Theory and Practice in	
EDU 310 Foundations of Education	3	Elementary Physical Education	3
ENG 300 Children's Literature	3	HED 421 Principles, Practices and	
EDU 330 Educational Psychology & Measurements	3	Procedures in Health Education	3
EDU 360 Audio-Visual Education	3	MUS 350 Intermediate School Music	3
		ART 311 Arts and Crafts	2
		Elective	3
		EDU 340 Human Development	3
	15		17

### SENIOR YEAR

EDU 450 Teaching of Reading in the Secondary School	3	EDU 480 Student Teaching in the Secondary School	6
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EDU 400 The Middle School	3	EDU 430 Methods, Materials, Practices, and Observations in the Intermediate School Education	6
EDU 410 Exceptional Child	3	Electives	6
EDU 412 Corrective & Remedial Reading in Elementary Education	3		
	<u>12</u>		<u>18</u>

Total Required Semester Hours — 121

## PROGRAM OF STUDY ASSOCIATE OF ARTS GENERAL EDUCATION

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Humanities Elective	3	Humanities Elective	3
Natural Science Elective	4	SOC 210 Principles of Sociology	3
PED 000-130 Physical Education	1	HED 112 Personal Hygiene	3
	<u>14</u>		<u>15</u>

### SECOND YEAR

PSY 210 General Psychology	3	Free Electives	18
Free Electives	<u>15</u>		
	<u>18</u>		<u>18</u>

Total Required Semester Hours — 65

## PROGRAM OF STUDY ASSOCIATE OF ARTS EARLY CHILDHOOD EDUCATION

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary Math I	3	MAT 121 Intro to Contemporary Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
EDU 360 Audio-Visual Education	3	HED 112 Personal Hygiene	2
PED 000-130 Physical Education	1		
	<u>17</u>		<u>15</u>

## SECOND YEAR

English/Foreign Language Elective	3	English/Foreign Language Elective	3
PSY 210 General Psychology	3	PHI 210 Intro to Philosophy	3
GEO 311 Intro to Geology	3	SOC 210 Principles of Sociology or	
EDU 310 Foundations of Education	3	ANT 210 Intro to Anthropology	3
MUS 340 Early Childhood Music	3	EDU 340 Human Development	
ART 310 Creative Art Experiences		(PSY 340)	3
for Young Children	3	Music Elective	3
		HED 321 Health in Early Childhood	
		Education or	
		HED 421 Principles, Practices and	
		Procedures in Health Education	3
	<hr/> 18		<hr/> 18

Total Required Semester Hours — 68

## PROGRAM OF STUDY ASSOCIATE OF ARTS INTERMEDIATE EDUCATION

### FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition	3	ENG 111 Composition & Literature	3
MAT 120 Intro to Contemporary		MAT 121 Intro to Contemporary	
Math I	3	Math II	3
Natural Science Elective	4	Natural Science Elective	4
HIS/HUM Elective	3	HIS/HUM Elective	3
EDU 360 Audio-Visual Education	3	HED 112 Personal Hygiene	2
PED 000-130 Physical Education	1		
	<hr/> 17		<hr/> 15

### SECOND YEAR

English/Foreign Language Elective	3	English/Foreign Language Elective	3
PSY 210 General Psychology	3	PHI 210 Intro to Philosophy	3
EDU 310 Foundations of Education	3	EDU 340 Human Development	3
PED 260 Theory & Practices in		ANT 210 Intro to Anthropology	3
Elementary Physical Education or		HED 421 Principles, Practices &	
PED 322 Physical Education in the		Procedures in Health	
Intermediate Grades	3	Education or	
GGY 210 Principles of Geography	3	HED 322 Health Education in the	
EDU 411 Teaching of Reading	3	Intermediate Grades	3
	<hr/> 18	EDU 410 Exceptional Child	3
			<hr/> 18

Total Required Semester Hours — 68



## **COURSES IN ACCOUNTING**

### **ACT 211 Principles of Accounting I**

**3 Sem. Hrs.**

Familiarization with basic accounting concepts, principles, and theory including the preparation and analysis of financial statements and reports. Prerequisite: MAT 112.

### **ACT 212 Principles of Accounting II**

**3 Sem. Hrs.**

Study of accounting principles on partnerships, corporations, departments and branches, basic cost accounting systems, income taxes and financial analysis.

### **ACT 310 Managerial Accounting**

**3 Sem. Hrs.**

The generation, analysis, and interpretation of accounting data and reports for planning and controlling business operations and for making special decisions. Prerequisite: ACT 212.

### **ACT 311 Intermediate Accounting I**

**3 Sem. Hrs.**

A continuation of the study of accounting principles with emphasis given to accounting for partnerships and corporations with analysis and interpretation of financial reports and statements. Prerequisite: ACT 212.

### **ACT 312 Intermediate Accounting II**

**3 Sem. Hrs.**

A continuing in-depth study of the theory and practical application of accounting principles as they relate to business entities, especially the corporate entity with emphasis on analysis of financial statements as well as on decision making. Prerequisite: ACT 311.

### **ACT 320 Federal and State Income Taxes**

**3 Sem. Hrs.**

Accounting theory designed to provide the student with the necessary skills to make decision concerning taxes as related to business enterprises and the individual; designed to help the student develop creativity to cope with modern problems in taxes with discussions centering around income tax laws and practice and return preparation.

### **ACT 321 Cost Accounting**

**3 Sem. Hrs.**

A study of the principles and methodology of inventory cost determination and its effect on income measurement for manufacturing concerns, including product process, and standard cost systems with special attention given to uses of accounting data as an aid in managerial planning and control. Prerequisite: ACT 311.

### **ACT 322 Advanced Cost Accounting**

**3 Sem. Hrs.**

Measurement, interpretation, planning, and control of unit costs through cost standards and variance analysis; uses of cost information in special decisions, including choice of business alternations.

### **ACT 411 Advanced Accounting**

**3 Sem. Hrs.**

Advanced study of special topics including accounting for consolidation and other forms of business combinations, income tax collection, and modern techniques and theory of funds flow statements. Prerequisite: ACT 312.

### **ACT 412 Governmental and Public Accounting**

**3 Sem. Hrs.**

A study of principles of accounting as they are applied to municipalities, state, and nation. The course provides an opportunity for the study of accounting problems in budgeting, purchasing, bond financing, and public utilities. Prerequisite: ACT 311.



**ACT 421 Accounting Systems****3 Sem. Hrs.**

Design and operation of accounting systems; relevance of data processing and statistical methods to the system of financial information and control.

**ACT 422 Auditing****3 Sem. Hrs.**

A concentration on the conceptual and practical aspects of the examination of financial statements by independent accountants, including discussion of public accounting as a profession. Prerequisite: ACT 411.

**COURSES IN ANTHROPOLOGY****ANT 210 Introduction to Anthropology****3 Sem. Hrs.**

An introduction to the history and methods of anthropology with special emphasis on the evolution of man and his culture including early fossil men, human evolution and genetic variations.

**ANT 340 Cultural Anthropology****3 Sem. Hrs.**

An introduction to the history and methods of cultural anthropology with special interest in the area of comparative study of social institutions and the nature of social and cultural differences as they exist in both traditional and modern societies. Prerequisite: ANT 210.

**COURSES IN ARCHAEOLOGY****ARC 200 Principles of Archaeology I****3 Sem. Hrs.**

An introductory course to the methods and techniques used by archaeologists in their reconstruction of past human cultural systems. The course surveys human cultural development in the Old and New Worlds.

**ARC 201 Principles of Archaeology II****3 Sem. Hrs.**

Course introduces the field survey and excavation techniques used by archaeologists in obtaining information on past human cultural systems. The learner will be afforded an opportunity to take part in various techniques by which archaeological sites are located to include air and infrared photography, map and terrain analysis.

**ARC 210 Field Training in Archaeology Survey Techniques****1 Sem. Hr.**

To include sight location, description, and preparation for excavation. Prerequisite: ARC 200.

**COURSES IN BIOLOGICAL SCIENCE****BIO 111 Biological Science****4 Sem. Hrs.**

A study of the history of science, chemistry of biologically active molecules and detailed structure and functions of the cell as the basic unit of life. Included in the study are the energy transformations that operate in both plants and animals. The course ends with a study of reproduction and development.

**BIO 112 Biological Science****4 Sem. Hrs.**

A study of different types of nutrition and the systems that support and regulate the metabolism of living organisms. Also, included in the course are the study of patterns of inheritance, classification of plants and animals, evolution and ecology. Prerequisite: BIO 111.

## **COURSES IN BOTANY**

### **BOT 211 General Botany 3 Sem. Hrs.**

A study of activities, structures, methods of reproduction, relationships, and importance of major types of plant life.

### **BOT 322 Bacteriology (Microbiology) 3 Sem. Hrs.**

An Introduction to the reproduction, anatomy, physiology, and ecology of bacteria and fungi. Prerequisites: One year of Biology including BOT 211 and one year of Chemistry.

## **COURSES IN BUSINESS ADMINISTRATION**

### **BAD 200 Introduction to Data Processing 3 Sem. Hrs.**

An introduction to business data processing, programming, systems analysis, techniques and goals for data processing, and information retrieval. A combined theoretical and practical approach to data processing.

### **BAD 210 Mathematics for Business 3 Sem. Hrs.**

A study of advanced problems relating to mathematics and quantitative analysis techniques with attention to compound interest, annuities, discounting notes, inventory, depreciation, payrolls, stocks and bonds, ratio analysis, graphs, logarithms, and special selected topics such as present worth, economic order quantity, and derivatives.

### **BAD 311 Business Statistics 3 Sem. Hrs.**

A study of the basic concepts of statistics as related to business and economics with emphasis upon the principles and methods of collecting, arranging, analyzing, and presenting data for business purposes. Prerequisite: MAT 112

### **BAD 312 Business Statistics II 3 Sem. Hrs.**

Basic theory of probability, normal-binomial Poisson distributions, sampling distributions, regression correlations analysis, testing hypothesis, control charts, sampling techniques, quality control, index numbers, and non-parametric statistics. Prerequisite: BAD 311 or equivalent.

### **BAD 320 Quality Control and Industrial Statistics 3 Sem. Hrs.**

Control charts, acceptance sampling, use of military standards sampling plans, and analysis of industrial processes and experimentation. Prerequisite: BAD 312 or equivalent.

### **BAD 330 Industrial Relations and Labor Marketing 3 Sem. Hrs.**

A study of labor problems from point of view of union and management with emphasis on the social and economic aspects of labor relations. Consideration is given to labor organization, collective bargaining, and labor legislation. Prerequisite: ECO 212.

### **BAD 351 Survey of the Black Man's Role in the Business World 3 Sem. Hrs.**

The development of the Black man's participation in economic endeavors from 1900 to contemporary times.

### **BAD 352 The Black Man in Contemporary Capitalistic Society 3 Sem. Hrs.**

A study of the Black man's contemporary problems in American capitalism with innovative techniques and procedures for greater unfoldment of his objectives,

focusing on such problems as finance, business ownership, internal operations, salesmanship, banking, and managerial techniques.

**BAD 411 Business Law I**

**3 Sem. Hrs.**

A general survey of the origin, development and classification of law with a more detailed consideration of those legal subjects considered important in the organization and operation of businesses, also considering the role and importance of law in a modern society.

**BAD 412 Business Law II**

**3 Sem. Hrs.**

The application of legal principles to the organization and operation of businesses. Reviewing legal principles and subjects, with their proper employment in the business world studied by setting up and operating hypothetical businesses and by studying and analyzing local businesses.

**BAD 420 Survey of Sampling Techniques**

**3 Sem. Hrs.**

An expository treatment of the basic ideas of scientific sampling. Types of sampling useful in accounting, market research, governmental studies, industry, and commerce are considered. Prerequisite: BAD 312 or equivalent.

**BAD 430 Business Internship**

**3 Sem. Hrs.**

Provision for experience in approved business positions wherein students participate in a seminar in which they formally evaluate their work experience; program must be arranged in advance and approved by the coordinator; course is not open to the student with credit from any similar program in the institution.

**BAD 431 Cooperative Education I**

**3 Sem. Hrs.**

An optional program for business administration majors. Students alternate semesters of full-time study with semesters of full-time related work. Students spend the first two years on campus (including summers) then based on the nature of work assignments, students begin their first work period at the end of the sophomore year, receiving six hours of academic credit for each work period.

**BAD 432 Cooperative Education II**

**3 Sem. Hrs.**

This is a continuation of the cooperative work experience program. Prerequisite: BAD 431.

## **COURSES IN BUSINESS EDUCATION**

**BED 111 Elementary Typewriting**

**2 Sem. Hrs.**

The development of a working knowledge and basic skills in the operation of the typewriter as applied to personal and business use. Students who have had less than one year of previous typewriting experience should begin their college typewriting with this course.

**BED 112 Intermediate Typewriting**

**2 Sem. Hrs.**

A continuation in the improvement of basic skills. The course includes practice in typing with speed and accuracy from straight copy, also sustained production on various types of problems encountered in the business office with emphasis upon the business letter, manuscripts, tabulated reports, and business forms at the production level. Prerequisite: BED 111 or placement test.

**BED 210 Introduction to Business**

**3 Sem. Hrs.**

A survey of business principles and procedures with an overview of the entire field of business, including the areas of economics, management, accounting, marketing, transportation, finance, business law, and business education.

**BED 211 Advanced Typewriting****2 Sem. Hrs.**

Further development of skills, knowledge, and techniques applicable to type-writing. Instruction is given in specialized typewriting problems in order to develop high-level competency. Prerequisite: BED 112 or placement test.

**BED 220 Business Machines****3 Sem. Hrs.**

Familiarization with, and the development of skill in the operation and use of the various office machines and equipment. Student is acquainted with the latest machinery and developments in the field of business. Prerequisite: BED 112.

**BED 221 Elementary Shorthand****3 Sem. Hrs.**

A study of the basic principles of Gregg Shorthand, Diamond Jubilee Series, with the development of the ability to apply these principles to the reading and writing of shorthand. Prerequisite: BED 112 or placement test.

**BED 222 Intermediate Shorthand****3 Sem. Hrs.**

A continuation of Business Education 221 with attention given to basic elements of typewritten transcription. Prerequisite: BED 221 or placement test.

**BED 310 Business Communications****3 Sem. Hrs.**

The application of correct, forceful English, organized thinking, and practical psychology in solving communications problems dealing with business. Attention is given to the writing of business letters and reports. Prerequisites: BED 112, CSK 221.

**BED 311 Advanced Shorthand and Transcription****3 Sem. Hrs.**

An emphasis on the development of high-level skills and proficiency in taking dictation and transcribing at advanced rates of speed. Continued practice is given to the production of the mailable typewritten transcript. Prerequisite: BED 222.

**BED 312 Advanced Shorthand and Transcription II****3 Sem. Hrs.**

Continued emphasis is placed on the development of high-level skill and proficiency in taking dictation and transcribing at advanced rates of speed. Continued practice is given to the production of the mailable transcript and to office-style dictation. Prerequisite: BED 311.

**BED 410 Principles of Business Education****3 Sem. Hrs.**

A study of the philosophy and functions of business education and an examination of the problems and issues relating to this area. Prerequisite: Senior Standing.

**BED 411 Administrative Secretarial Procedures****3 Sem. Hrs.**

A presentation of practical problems encountered by the secretarial worker. Greater competency in office skills and procedures is developed with emphasis on applied typewriting, duplicating, filing, dictation and transcribing, and communication techniques. Prerequisites: BED 211, BED 220, BED 310.

**BED 412 Secretarial Internship****3 Sem. Hrs.**

An on-the-job training which provides for practical experiences under actual office conditions. Prerequisite: Senior Standing.

**BED 420 Office Management****3 Sem. Hrs.**

A study of principles of management as applied to the business office, including organization, planning, and control of physical factors, methods, and personnel practices. Prerequisite: Senior Standing.



**BED 440 History and Philosophy of Vocation Education****3 Sem. Hrs.**

A study of the relationship of the history and philosophy of vocational education to the ideal school curriculum.

**BED 450 Administration and Supervision of Vocation Education****3 Sem. Hrs.**

A study of principles, practices, and techniques of organizing and supervising vocational office education programs.

**BED 460 Coordination Techniques In Business Education****3 Sem. Hrs.**

A presentation of the philosophy, principles, strategies, techniques, and procedures for the coordination of the cooperative occupational education programs. Emphasis is placed on the elements common to all areas of cooperative occupational education as well as to a review and analysis of pertinent research. Prerequisite: Consent of instructor and evidence of commitment to a career in teaching.

## **COURSES IN CHEMISTRY**

**CHE 111 Introduction to Chemistry****3 Sem. Hrs.**

A non-mathematical course dealing with atomic structure, the Periodic table, bonding, valence, hybridization, and geometrics. A tutorial session of two (2) hours per week is required for all students not maintaining a minimum average of 3.00.

**CHE 112 General Chemistry****4 Sem. Hrs.**

Stoichiometry, gas laws, thermochemistry, and balancing of equations. A tutorial session of one (1) hour per week is required of all students not maintaining a minimum average of 3.00. Prerequisites: CHE 111 or PSI 111 with grade of C or better and MAT 131 (or special examination). Knowledge of simple Algebra and proportions required.

**CHE 211 Quantitative Chemistry****4 Sem. Hrs.**

Concentrations, kinetics, acid-base equilibria, redox, simple titrations, qualitative analysis. A tutorial session of one (1) hour per week required of all students not maintaining a minimum 3.00. Prerequisites: CHE 112 and facility with logarithms.

**CHE 212 Analytical Chemistry****5 Sem. Hrs.**

Traditional wet analytical chemistry consisting of gravimetric analysis, volumetric analysis, pH, pKa and the Nernst Equation. Prerequisite: CHE 211.

**CHE 221 Organic Chemistry****3 Sem. Hrs.**

The synthesis, stereochemistry, reactions, and reaction mechanisms of alkanes, alkenes, alkynes, and aromatic compounds. Prerequisites: CHE 112, CHE 211 (Note: CHE 231 is required with this course.)

**CHE 222 Organic Chemistry****3 Sem. Hrs.**

The synthesis, stereochemistry, reactions, reaction mechanisms, and spectra of functionally substituted aromatic compounds. Prerequisites: CHE 221 and CHE 231.

**CHE 231 Organic Chemistry Laboratory****1 Sem. Hr.**

Techniques of isolation, purification, and characterization of organic chemicals. Reaction of hydrocarbons. This course is the laboratory to CHE 221. Prerequisites: CHE 221 and pre/corequisite CHE 212.

**CHE 232 Organic Chemistry Laboratory****1 Sem. Hr.**

Synthesis, spectra, and analysis of functionally substituted organic compounds. This course is the laboratory to CHE 222. Prerequisites: CHE 221, CHE 231, and pre/corequisite CHE 212.

**CHE 321 Thermodynamics and Equilibrium** **3 Sem. Hrs.**

The discussion and application of the three laws of thermodynamics from a calculus position culminating in the derivation of equilibrium constants from chemical potential. Prerequisites: CHE 212, MAT 241 and pre/corequisite MAT 242 (Note: CHE 331 is required with this course).

**CHE 322 Spectroscopy and Quantum Chemistry** **3 Sem. Hrs.**

Atomic and molecular structure as seen in rotational, vibrational, electronic and x-ray region of the electromagnetic spectrum. The wave-particle dilemma as resolved by the Bohr atom, Dirac Wave mechanics and eigenvalues of the Schrodinger Equation. Prerequisite: CHE 212 (Note: CHE 332 is required with this course).

**CHE 331 Thermodynamic and Equilibrium Laboratory** **1 Sem. Hr.**

Measurements of heat of combustion, heat of neutralization, vapor pressure, molecular weight, equilibrium constants, etc. This is the laboratory course to CHE 321. Pre/corequisite: CHE 321.

**CHE 332 Spectrochemistry Laboratory** **1 Sem. Hr.**

Qualitative and quantitative interpretation of spectra by use of spectrometers and application of absorption spectroscopy and other instrumentation for the measurements of concentrations. This is the laboratory course for CHE 322. Pre/corequisite: CHE 322.

**CHE 410 Seminar in Chemistry** **1 Sem. Hr.**

Application of chemistry by presentations from practicing chemists, visits to industrial, hospital and/or research laboratories and at least one oral report by each student enrolled. Prerequisite: Senior standing in chemistry.

**CHE 411 Biochemistry** **3 Sem. Hrs.**

A study of chemical composition of plants, animals and seeds, characteristics and functions of proteins, enzymes, carbohydrates, and lipids. Prerequisites: CHE 222, CHE 232, CHE 321, and CHE 331.

**CHE 412 Biochemistry** **3 Sem. Hrs.**

A continuation of CHE 411 with emphasis on metabolism of carbohydrates, lipids, nucleic acids, and proteins. Biochemical genetics and functions of vitamins and minerals in plants and animals. Prerequisites: CHE 222, CHE 232, CHE 321, and CHE 331.

**CHE 420 Instrumental Methods of Chemical Analysis** **4 Sem. Hrs.**

Use of electrochemical and chromatographic methods of quantitative analysis. Prerequisites: CHE 212, CHE 332, CHE 331.

**CHE 421 Biochemistry Laboratory** **1 Sem. Hr.**

Application of biochemical principles in the laboratory. This is the laboratory course to CHE 412. Pre/corequisite: CHE 412.

**CHE 430 Special Topics in Chemistry** **3 Sem. Hrs.**

A structured in-depth study of a single topic such as: Chemical Kinetics, Qualitative Organic, Physical Organic, or Inorganic Chemistry.

**CHE 450 Research in Chemistry** **2 Sem. Hrs.**

Active research in chemistry under the supervision of one of the chemistry instructors. A written summary of the work is essential. When possible an oral presentation should be given to the seminar or a chemistry class. Prerequisite: Permission of research supervisor and department head.

## **COURSES IN COMMUNICATION**

### **COM 300 The Dynamics of Communication**

**3 Sem. Hrs.**

The study of communication as it expedites learning, causes social impact and functions as an instrument of change in self; also components by which communications are related to the masses and fit into social and political systems. Emphasis upon inter-personal, small group, public and professional communication.

### **COM 310 Broadcast Fundamentals**

**3 Sem. Hrs.**

Emphasis on the general view of broadcasting in radio and television. Emphasis upon principles of production for radio and television. Experience in audio and visual expression through the media. Exposure to equipment and techniques of production.

### **COM 320 Modern Audio Production and Direction**

**3 Sem. Hrs.**

Planning and production of audio in the mass media. Innovative uses of sound in radio, television, and film. Planning, scripting, rehearsing, and directing under professional conditions.

### **COM 330 News and Public Affairs**

**3 Sem. Hrs.**

Principles, techniques, and forms of broadcast journalism. Practical work in news preparation, editing and delivery for radio and television. Planning and production of public affairs programs.

### **COM 360 Television Production**

**3 Sem. Hrs.**

Elements of production in television including cameras, audio, staging, lighting, graphics, recording, special effects. Leads to experience in creating, producing and directing full-length programs.

### **COM 370 Communication Practicum (Radio)**

**1 Sem. Hr.**

Communication Practicum is a course devised to enable students to make practical application to an area (radio) under study. This does not eliminate text-readings, but the approach to the course is more practical than theoretical, and readings are assigned to make the practical work more efficient and clear.

## **COURSES IN COMPUTER SCIENCE**

### **CSC 100 Introduction to Computer Science**

**3 Sem. Hrs.**

Designed to introduce starters and non-technical personnel to the computer, steps in computer applications, procedures and basic elementary FORTRAN Program writing.

### **CSC 101 Computer Programming Language (FORTRAN)**

**3 Sem. Hrs.**

Introduction to FORTRAN IV: A problem-oriented computer language for use in scientific and mathematic problem solving by use of digital computers.

### **CSC 102 Computer Programming Language (COBOL)**

**1 Sem. Hr.**

Introduction of COBOL: A problem-oriented computer language for use in business problem solving by use of digital computers.

### **CSC 200 Computer Operation**

**3 Sem. Hrs.**

"Hands-on" experience in handling and operating computer hardware.

### **CSC 201 Basic Computer Organization and Assembly Language**

**3 Sem. Hrs.**

Logic basis of computer structure, machine representation of numbers and



characters, flow of control, instruction codes (symbolic) arithmetic and logical operation, indexing. I/O subroutine linkages, marcos, number systems as related to computer operation. Operating systems for large machines. Prerequisite: CSC 101.

**CSC 202 Systems Analysis and Techniques** **3 Sem. Hrs.**

Various methods of analyzing and defining a problem or situation in terms of available input information and desired output in order to prescribe suitable or appropriate algorithms and procedure to achieve an acceptable solution or outcome. Prerequisites: CSC 100 or CSC 101.

**CSC 300 Computer Applications In Mathematics** **3 Sem. Hrs.**

Selected topics including special applications of the computer including comparison of various integration techniques for specific ordinary and partial differential equations. Techniques on analog and hybrid computers. Non-numeric programs including algebraic symbol manipulation and analytic differentiation and integration. Survey and use of available computer programs and subroutines including accuracy consideration. Prerequisite: Consent of the instructor.

**CSC 302 Computer Organization and Logic** **3 Sem. Hrs.**

Introduction to Boolean algebra, symbolic logic as used in computer organization, switching circuits, arithmetic circuits, application of logic to problem solving. Prerequisite: CSC 101.

**CSC 310 Introduction to Numerical Methods** **3 Sem. Hrs.**

Computer techniques used to translate certain known computational algorithms into computer programs; practice in use of routines already available in the University program library. Areas of interest: linear system of equations, curve fitting and interpolation algorithms for differentiation, solution of non-linear equations and solution of ordinary differential equations. Elementary discussion of errors. Prerequisite: CSC 101.

**CSC 400 Business Computer Systems and Applications** **3 Sem. Hrs.**

Current methods of processing business data to produce various accounting statements and managerial reports. The orderly study of detailed procedures for collecting, organizing and evaluating information within an organization with the objective of improving the operations of that organization and designing a business system from the standpoint of management, system analyst and programmer. Course requirements include the design and presentation of a business system as a semester project. Prerequisite: CSC 101 or CSC 201.

**CSC 401 Linear Programming** **3 Sem. Hrs.**

A study of formulating physical problems in management planning, scheduling and control into a mathematical model using linear equalities and inequalities to be solved using a digital computer. The course includes these steps: defining the problem and the objective to be achieved by its solution, formulating a mathematical model of the physical system, verifying the linearity of such expression, analyzing the solution, and selecting the most desirable of all alternatives for the course of action. Prerequisite: CSC 101.

**CSC 402 Information Storage and Retrieval** **3 Sem. Hrs.**

Practical aspects of information system design, file structure and organization, sorting and searching techniques. A case study will be used to illustrate the creation and maintenance of management information systems. Emphasis is equally put on both information storage and information retrieval. Prerequisite: CSC 101 or equivalent.

**CSC 500 Systems Design and Selection****3 Sem. Hrs.**

Study of hardware functions and capabilities, system efficiency, modes of operation. Hardware from various suppliers will be studied. Techniques of evaluation of system hardware to perform required function. Prerequisite: Consent of the instructor.

**CSC 501 Special Topics In Computer Science****3 Sem. Hrs.**

This course is designed to serve needs not covered by existing courses. It will consist of one or more of the following types of study; readings in the literature of computer science, introductory research projects, major computer programming projects, seminars or new course development. Work may be done in any area of computer science such as software, hardware utilization, programming language, numerical methods, syntactic description, symbolic functions and manipulations. Prerequisite: Consent of the instructor.

**CSC 502 Metaprograms****3 Sem. Hrs.**

The course provides a thorough understanding of the techniques involved in compiling a program. Detailed study of formal programming languages, syntactic descriptions, symbolic functions, and manipulations. Prerequisite: CSC 201 or CSC 302.

## **COURSES IN CRIMINAL JUSTICE**

**CJC 101 Introduction to Law Enforcement****3 Sem. Hrs.**

The history and philosophy of functions of law enforcement. Emphasis is given to the interdependence of law enforcement with other components of the criminal justice system; functions and contemporary issues of law enforcement and the appropriate functions of law enforcement personnel in modern society

**CJC 102 Criminal Law or Legal Aspects of Law Enforcement and Corrections****3 Sem. Hrs.**

Criminal procedures — procedural aspects of the legal process; analysis of criminal constitutional limitations from arrest to release in the administration of criminal justice; legal restraints on police; relation between state and federal criminal authority and jurisdictional problems.

**CJC 111 Criminal Law****(CJC/PSC)**

Designed to present a basic concept of criminal law and create an appreciation of the rules under which one lives in our system of government.

**CJC 200 Introduction to the Criminal Justice System****3 Sem. Hrs.**

A survey course in the processes and agencies in the administration of criminal justice—the legislature, the police, the prosecutor, public defender, the courts and corrections.

**CJC 210 Criminal Investigation****(CJC/PSC)**

This course introduces the student to fundamentals of investigation; crime scene search; recording, collection and preservation of evidence; sources of information; interview and interrogation, case preparation and court presentation, and the investigation of specific offenses such as arson, narcotics, sex, larceny, burglary, robbery and homicide.

**CJC 220 Introduction to Corrections****(CJC)**

General overview of the development of corrections with special focus on the Un-

ited States system; recent innovations; future correctional systems structure and programs.

### **CJC 221 Introduction to Criminallstics**

**(CJC/PSC)**

A general survey of the methods and techniques used in modern scientific investigation of crime, with emphasis upon the practical use of these methods by the students. Laboratory techniques will be demonstrated and the student will participate in actual use of the scientific equipment.

### **CJC 230 Crimlnal Evidence**

**(CJC/PSC)**

Instruction covers the kinds and degrees of evidence and the rules governing the admissibility of evidence in court.

### **CJC 262 Police-Community Relations**

**3 Sem. Hrs.**

This course introduces the student to the fundamentals of development and use of community relations programs. The student will be acquainted with the strains and problems arising from conflicting demands within the social structure of society. This course will include development, use of community relations among the police, corrections programs and the criminal justice systems as a whole. The student will be able to construct, test and implement the basic concepts of community relations into any area of the criminal justice system within any type of community.

### **CJC 311 Crimlnal Justice Management and Organization**

**(CJC)**

This course will focus on the organizational and the human processes of management. The key to organizational effectiveness lies within the human processes of management and component problem solving. This course will focus its direction on the local, state and federal criminal justice system, as well as analyze contemporary issues in criminal justice management and organization, which will allow the student an opportunity to explore the dichotomy between policy and administration.

### **CJC 320 Crimlnal Court Procedures — American Court System**

**3 Sem. Hrs.**

General overview of the development of the criminal court system with special focus on the roles of the judge, prosecutor, jury and defense attorney, trial process; pre-sentencing procedures and contemporary issues of the criminal court.

### **CJC 410 Probation/Parole**

**3 Sem. Hrs.**

A general survey of the methods and techniques now employed in probation and parole work. Will include history, development, current use and future possibilities. The course will give a general overview of the process of probation and parole as it is now used.

### **CJC 411 Crimlnal Justice Research**

**(CJC)**

This course introduces the advanced student to criminal justice research: survey and uses of available sources of data, consideration of research designs and methods of collecting and analyzing data. Prerequisite: SOC 332.

### **CJC 430 Internship In the Criminal Justice System**

**3 Sem. Hrs.**

Students will be assigned to various criminal justice agencies and will work under joint supervision of agency heads and the course instructor. The course is designed to provide the student with an opportunity to synthesize theory and practice.

## **COURSES IN ECONOMICS**

### **ECO 200 Basic Economics**

**3 Sem. Hrs.**

A survey course in contemporary economic issues and problems designed for non-economics and business majors, with broad emphasis on macro-micro aspects of the economy.

### **ECO 211 Principles of Economics: Macroeconomics**

**3 Sem. Hrs.**

Student begins sequence with either Economics 211 or 212. An examination of the basic concepts and principles with stress on macroeconomics and the application of theory to current problems.

### **ECO 212 Principles of Economics: Microeconomics**

**3 Sem. Hrs.**

Student may begin sequence with either Economics 211 or 212. An introduction to subject of economics with stress on microeconomics and its relevance to policy issues.

### **ECO 232 Quantitative Methods**

**3 Sem. Hrs.**

Survey of quantitative methods and their application to economics.

### **ECO 240 Economics of the Black Community**

**3 Sem. Hrs.**

A survey course in economics of the ghetto with special emphasis on the social and political aspect of resource allocation, distribution of income and wealth, and related topics as they pertain to Blacks in the American economy. Prerequisite: ECO 211 or ECO 212.

### **ECO 310 Managerial Economics**

**3 Sem. Hrs.**

An in-depth study of managerial decision-making processing and its tools; forecasting demands, cost estimates, pricing, linear programming, and capital budgeting.

### **ECO 311 Intermediate Economic Theory: Production and Distribution**

**3 Sem. Hrs.**

An in-depth study of the working of price mechanism within the framework of a free enterprise economy. A detailed discussion of the behavior of the firm, theory of distribution and welfare economics. Prerequisite: ECO 211.

### **ECO 312 Intermediate Economic Theory: Aggregate Economics and Policy**

**3 Sem. Hrs.**

An in-depth study of theories of national income determination, employment, interest and fluctuations in aggregate economic activity. Prerequisite: ECO 211.

### **ECO 320 Money, Banking and Financial Institutions**

**3 Sem. Hrs.**

Analysis of monetary mechanism in United States. Historical development of money and banking. Flow of funds among financial institutions and role of money in economic system. Prerequisites: ECO 211, ECO 212.

### **ECO 330 Public Finance**

**3 Sem. Hrs.**

An analysis of the effects of public spending, borrowing and collection of revenues on economic systems and evaluation of economic roles of government. Prerequisites: ECO 211, ECO 212.

### **ECO 340 Economic Development**

**3 Sem. Hrs.**

An examination of the leading issues and theories of economic development and their relevance to developing countries. Prerequisites: ECO 211, ECO 212.



**ECO 341 Regional Economics****3 Sem. Hrs.**

Comparative study of various regional models explaining regional economic growth, problems and effects of different regional policies. Ingredients of regional planning and forecasting are also discussed.

**ECO 343 Urban Economics****3 Sem. Hrs.**

A detailed discussion of leading theories explaining urban growth, urban structure, and urban problems. Factors affecting location decision of households, firms, and government are stressed. Prerequisites: ECO 311, ECO 312.

**ECO 350 International Trade and Policy****3 Sem. Hrs.**

A survey of the theory of international trade, balance of payment, problems and politics and related issues of international monetary economics. Prerequisites: ECO 211, ECO 212.

**ECO 410 Economic History****3 Sem. Hrs.**

An examination of the key factors and problems of economic development in the American economy since 1800. Prerequisites: ECO 311, ECO 312.

**ECO 411 History of Economic Thought****3 Sem. Hrs.**

A chronological study of the evolution of economic ideas from Scholastics to Keynes.

**ECO 412 Econometrics****3 Sem. Hrs.**

Introduction to econometric methods and their application to economic models. Prerequisites: BAD 210, BAD 311, SOC 332, ECO 312.

**ECO 420 Comparative Economic Systems****3 Sem. Hrs.**

A study of the characteristics, functions and the working of various economic systems such as capitalism, socialism, and mixed economies. Prerequisites: ECO 211, ECO 212.

**ECO 430 Economic Problems****3 Sem. Hrs.**

A study of some of the present-day economic problems such as labor, insurance, and social security.

## **COURSES IN EDUCATION**

**EDU 100 Orientation****0 Sem. Hrs.**

The assumption which underlies the orientation program is that there is a necessary adjustment to be made between high school and college and between one college and another. Hence, the purpose of the orientation program is to make this adjustment for freshmen and new students as meaningful as possible.

**EDU 110 Reading****3 Sem. Hrs.**

A course for improving reading comprehension among freshmen students. It is designed to increase the chances of success in college as well as to assist the student in achieving college level reading ability in general. Enrollment in the course is based on the results of entrance tests in reading.

**EDU 211 Laboratory Experiences in Area Schools****1 Sem. Hr.**

This course is designed to serve as an introduction to professional education experiences. These laboratory experiences will take place in area schools and provide an opportunity for the student to observe the child, teacher, and to develop an

understanding of the learning process in an actual school setting, thirty-six (36) clock hours (pass-fail).

**EDU 310 Foundations of Education (Historical, Philosophical and Sociological)**

**3 Sem. Hrs.**

Basic introduction to the study of the foundations of education as they contribute to the understanding of the school's role in society and the teacher's role in formulating an operational philosophy of education. The areas include sociology, history, philosophy, administration and curricular.

**EDU 330 Educational Psychology and Measurements**

**3 Sem. Hrs.**

This course provides a comprehensive introductory survey of the field of educational psychology, to develop an understanding of the principles, practices and research into the nature of learning and human abilities. Prerequisite: EDU 310.

**EDU 340 Human Development**

**3 Sem. Hrs.**

This course is designed to promote an understanding of human development from conception through adolescence. Special attention is given to the course of physical, emotional, social and intellectual development during the childhood years of 2-8, for early childhood majors; and pre and early adolescent years of 9-16 for intermediate education majors; and the middle and later adolescent years of 17-21 for the secondary education majors.

**EDU 352 Foundations of Early Childhood Education**

**3 Sem. Hrs.**

This course offers a broad survey of the field of early childhood education. The several foundations upon which emphasis will center are the historical, philosophical, sociological, psychological, political, economic and the aesthetic. Prerequisite: EDU 310.

**EDU 360 Audio-Visual Education**

**3 Sem. Hrs.**

A survey of audio-visual materials and methods, with instruction in the classroom use of film, filmstrips, recording, radio field trips, slides, bulletin boards, and other visual aids. Experience in the operation of the various machines is provided.

**EDU 400 The Middle School**

**3 Sem. Hrs.**

The purpose of this course is to provide the student with a background and fundamental understanding of the basic principles, policies, and philosophy which undergird middle school education in the United States. Concomitantly, this course is organized to give the prospective intermediate education teacher a composite and comprehensive picture of the middle school as it exists today, and to make some tentative projections regarding innovations which are likely to occur as the middle school periodically and continuously attempts to enrich the educational experiences which are provided for transcients.

**EDU 410 Exceptional Child**

**3 Sem. Hrs.**

This course provides a survey of the abilities and disabilities, inter- and intra-individual differences of exceptional children. It introduces the student to the impact of educational and psychological handicaps and needs of the children who are classified as exceptional. Plans and educational programs for the children will be emphasized.

**EDU 411 Teaching of Reading**

**3 Sem. Hrs.**

This course considers the principles, methods, procedures and materials dealing with the broad aspects of the reading program, ranging from readiness to diagnostic and remedial techniques. Attention is given to phonics, word recognition, vocabulary development and silent and oral reading skills, with directed observation and participation.

**EDU 412 Corrective and Remedial Reading in Elementary Education 3 Sem. Hrs.**

This course is designed to help the classroom teacher to prevent, diagnose and correct reading difficulties. Attention is given to the nature and causes of reading difficulties, classroom diagnosis and remediation, the work of the reading specialist in diagnosis and remediation, and ways of securing the cooperation of the parents of problem readers. Prerequisite: EDU 411.

**EDU 420 Methods, Materials, Practices, and Observations in Early Childhood Education 6 Sem. Hrs.**

An integrated methods course concerned with objectives, principles, and practices of instruction, classroom management and procedure, selection and use of tools and materials, provision of worthwhile experiences and selection, construction, and use of evaluation instruments suitable for early childhood education. Provides training in traditional and innovative techniques, including team teaching and non-graded procedures. Supervised experiences in public and college laboratory schools.

**EDU 421 Principles of Secondary Education 3 Sem. Hrs.**

A study designed to give the student a comprehensive picture of the history of the development of secondary education in America and the emergence of the high school as it exists today. The philosophy undergirding the aims and purposes of the secondary school is examined. Special attention is given to social forces affecting curriculum changes and to selected guidance techniques for the classroom teacher.

**EDU 430 Methods, Materials, Practices and Observations in Intermediate School Education 6 Sem. Hrs.**

An integrated methods course concerned with meeting needs of children and youth in the intermediate grades. Includes objectives, principles, techniques of instruction, classroom management and procedure, selection and use of tools and materials, provision of worthwhile instruments suitable for intermediate education. Provides training in traditional and innovative techniques, including team teaching and non-graded procedures. Supervised experiences in public and college laboratory schools are included.

**EDU 431 Principles of Guidance 3 Sem. Hrs.**

This course is designed to provide one with a knowledge of the meanings, purposes and aims of guidance. Attention is given to methods of investigation in guidance, methods of guiding students and the results of guidance. Special consideration is given to ways of improving guidance in schools. Students who have taken Psychology 431, Principles of Guidance may not take this course

**EDU 432 Principles of Counseling 3 Sem. Hrs.**

This course is designed to help the student understand the various theories of guidance and counseling. Diagnosis will be made of case studies in counseling situations, analysis and observation of interviewing procedures and careful observation of counseling theories in actual situations. Students who have taken Psychology 432, Principles of Counseling, may not take this course.

**EDU 440 Guidance and Counseling Practicum 3 Sem. Hrs.**

The practicum is intended to provide each student with intensively supervised counseling experiences in a true-to-life setting and a chance to share the results of such experiences with his supervisor. Major emphasis is given to the practical and applied aspects of counseling and to various guidance activities. The practicum comes at the end of a student's training and gives him a chance to tie together all his other courses in theories and techniques and apply them under supervision. Students who have taken Psychology 440, Guidance and Counseling Practicum, may not take this course.



**EDU 450 Teaching of Reading in the Secondary School****3 Sem. Hrs.**

This course is designed to provide the classroom teacher of adolescents with a background in the developmental process of reading, reading assessment techniques, and corrective and remedial reading techniques in order that the secondary teacher can assess the adolescent's needs, help the student to acquire the necessary reading skills to read efficiently in the content areas and to eventually become a literate person capable of critical and creative thinking.

**EDU 460 Methods and Materials in Secondary School Subjects****3 Sem. Hrs.**

These courses are intended to develop an understanding of the objectives, the materials, and teaching procedures that are best suited to each teaching field.

**EDU 470 Student Teaching in the Elementary School****6 Sem. Hrs.**

Student teaching is the culmination of the professional education experience. This activity takes place in the public schools and provides an opportunity for the student to participate in observation, teaching and all other activities expected of the regular student.

**EDU 480 Student Teaching in the Secondary School****6 Sem. Hrs.**

## **COURSES IN ENGLISH**

**\*ENG 110 Grammar and Composition****3 Sem. Hrs.**

This course is planned to help the students achieve excellence in the knowledge and skills necessary for the writing situations they will face most often in their lives as students, career people and contributive citizens by an intensive study and practice in the basic forms and principles of writing with attention to reading and interpretation, clarity and effectiveness in grammar and punctuation, sentences, paragraph, essays and outlining and the use of the dictionary and the library. The four classes of writing are included, but the emphasis is on expository writing, the mastery of research techniques and the writing of a research paper.

**\*ENG 111 Composition and Literature****3 Sem. Hrs.**

The broad purpose of this course is to provide the students opportunities to employ skills which they mastered in English 110, to acquaint the students with elements of three genre: drama, poetry and the short story; to train them in the better expression of their own ideas by emphasizing literary analysis and style. The students will write several short analytical papers and a research paper. Prerequisite: ENG 110.

\*ENG 110 and ENG 111 MUST BE TAKEN IN PROPER SEQUENCE.

**ENG 211 World Literature****3 Sem. Hrs.**

A course planned for students who wish to major, minor or get a concentration in English. Emphasis is upon representative continental works from ancient times through the Renaissance. Prerequisites: ENG 110-ENG 111.

**ENG 212 World Literature****3 Sem. Hrs.**

A continuation of the survey of continental masterpieces up to the present. English and American works are omitted here, and additional European as well as selected modern African writers are included. Prerequisites: ENG 110-ENG 111.

**ENG 221 Afro-American Literature****3 Sem. Hrs.**

A historical and critical perspective of contributions to American fiction, poetry, drama, and non-fiction by Black writers. Prerequisites: ENG 110-ENG 111.

**ENG 222 The History of the English Language** **3 Sem. Hrs.**

A study of the history of the language with special emphasis on the development of English inflections, sounds, changing meanings, syntax and usage. Prerequisites: ENG 110-ENG 111.

**ENG 231 Advanced Grammar** **3 Sem. Hrs.**

A study of advanced work in organization, style and various rhetorical methods. Prerequisites: ENG 110-ENG 111.

**ENG 300 Children's Literature** **3 Sem. Hrs.**

An introduction to the most significant literary contributions to children's literature from a variety of ethnic origins. Among the types of literature examined are ballads, humorous and nonsense verse, folklore, myths, epics and biographies. Prerequisites: ENG 110-ENG 111.

**ENG 310 Introduction to Folklore** **3 Sem. Hrs.**

Introduction to the forms of oral literature and folk tradition; folktale, legend, myth, folksong, proverb, riddle custom and belief. Emphasis on aesthetic and social contexts. Prerequisites: ENG 211-ENG 212.

**ENG 311 English Literature** **3 Sem. Hrs.**

A survey of the literature of England from the Anglo-Saxon period through the eighteenth century. The course is required of students majoring or minoring in English. Prerequisites: ENG 110-ENG 111.

**ENG 312 English Literature** **3 Sem. Hrs.**

A continuation of the survey of English literature, extending from the Romantic period to the present. The course is required of students majoring or minoring in English. Either ENG 311 or ENG 312 may be selected without the other by students getting a concentration in English. Prerequisites: ENG 110-ENG 111.

**ENG 320 The Renaissance** **3 Sem. Hrs.**

A study of the prose and poetry of the representative authors of the Renaissance together with representative plays of dramatists other than Shakespeare in relation to the conventions and background of the Renaissance. Prerequisite: ENG 311.

**ENG 321 American Literature** **3 Sem. Hrs.**

A survey of the major writers of America from colonial days to the Civil War. The course is required of students majoring or minoring in English. Prerequisites: ENG 110-ENG 111.

**ENG 322 American Literature** **3 Sem. Hrs.**

A continuation of the survey of major writers of American from the Civil War to the present. The course is required of students majoring or minoring in English. Either ENG 321 or ENG 322 may be selected without the other by students getting a concentration in English. Prerequisites: ENG 110-ENG 111.

**ENG 330 The Seventeenth Century** **3 Sem. Hrs.**

Selected readings with emphasis on the metaphysical poets. Prerequisite: ENG 311.

**ENG 340 Short Prose Fiction** **3 Sem. Hrs.**

Contemporary British and American Short Stories with considerable attention devoted to the development of the genre.

**ENG 341 Advanced Composition****3 Sem. Hrs.**

A study of advanced work in organization, style and various rhetorical methods. Prerequisites: ENG 110-ENG 111.

**ENG 350 Modern Poetry****3 Sem. Hrs.**

An introductory course in which a wide variety of poetic styles with formal rather than chronological orientation will be included.

**ENG 360 Modern Drama****3 Sem. Hrs.**

A study of continental British and American drama from Ibsen to the present, with emphasis on social and literary values.

**ENG 401 Chaucer****3 Sem. Hrs.**

A study of Chaucer's poetry considered in relation to his times. Selections studied are read in Middle English. Offered alternate years. Prerequisites: ENG 311.

**ENG 410 Milton****3 Sem. Hrs.**

An intensive study of the major and minor works of poetry of Milton, and important selections of his prose in relation to the Seventeenth Century background. Prerequisite: ENG 311.

**ENG 411 Shakespeare****3 Sem. Hrs.**

A study of selected comedies, histories, and tragedies to give a comprehensive view of Shakespeare's development and the scope and variety of his dramatic works. Prerequisites: ENG 311-ENG 312.

**ENG 412 The Eighteenth Century****3 Sem. Hrs.**

Selected poetry, prose, criticism, and drama with emphasis upon Dryden, Swift, Pope, Johnson and others. Some attention will be given to the development of the English novel. Prerequisites: ENG 311-ENG 312.

**ENG 421 The English Novel 18th and 19th Centuries****3 Sem. Hrs.**

A study of the background of the English novel from its beginning to the end of the 19th century and an intensive analysis of the novel as an art form and the social milieu in which it was produced. Prerequisite: ENG 312.

**ENG 431 The American Novel****3 Sem. Hrs.**

A study of the development of the American novel up to 1953 with emphasis on selected major writers. Prerequisites: ENG 321-ENG 322.

**ENG 432 Romantic Prose and Poetry****3 Sem. Hrs.**

Readings in the prose and poetry of Wordsworth, Coleridge, Byron, Keats and Shelley, with some attention to critical reactions to their works and to definitions of Romanticism.

**ENG 440 American Romanticism****3 Sem. Hrs.**

A study of the major American writers from 1825 to 1865. Three or four selected writers, themes or movements of the period. Prerequisite: ENG 321.

**ENG 442 The English Novel 1900-1940****3 Sem. Hrs.**

Representative works by major British novelists: Conrad, Joyce, Lawrence, Huxley, Caryl. Prerequisite: ENG 312.

**ENG 450 American Realism and Naturalism****3 Sem. Hrs.**

A study of major writers from 1865-1935. Three or four selected writers, themes, or movements of the periods. Prerequisites: ENG 321-ENG 322 or the consent of instructor.

**ENG 451 Victorian Prose and Poetry****3 Sem. Hrs.**

Reading and analysis of the poetry, fiction, and criticism of English writers of the later Nineteenth Century.

**ENG 460 The Modern Novel 1920-Present****3 Sem. Hrs.**

Readings and criticism of such important novelists as Dreiser, Fitzgerald, Faulkner, Hemingway, Woolf, Baldwin and Lawrence. Prerequisites: English and American Literature surveys or consent of the instructor.

**ENG 470 Senior Seminar****3 Sem. Hrs.**

Directed study in English conducted by specially appointed members of the department.

## **COURSES IN FINANCE**

**FIN 311 Principles of Finance****3 Sem. Hrs.**

A survey of the financial organization, structure, income and policy of business enterprises. Prerequisite: ECO 212.

**FIN 320 Financial Management****3 Sem. Hrs.**

The development of the ability to use analytical tools by the discussion of case studies dealing primarily with capital budgeting and capital structure, return on investment and cost of capital, and characteristics of alternative forms of capital. Consideration will be given to current and long-term financing, expansion, and problems of small business enterprises in connection with decision-making techniques.

**FIN 330 Personal Finance****3 Sem. Hrs.**

A study of the problems of money management giving special attention to credit borrowing, saving money, and bank relationship. Consideration is given to problems affecting individuals in allocating funds among stocks, bonds, insurance, real property, and mutual investment companies. Prerequisite: ECO 211.

**FIN 340 Principles of Insurance****3 Sem. Hrs.**

A survey course of the principles, practices, and organizational structure of insurance with attention given to the various kinds of commercial insurance such as fire, automobile, casualty, health and accident, and life insurance.

**FIN 350 Real Estate****3 Sem. Hrs.**

A presentation of the fundamental economic aspects of real property with special attention given to the changing character of the urban economy and its effect on land values and land utilization. Prerequisite: ECO 211.

**FIN 410 Investments****3 Sem. Hrs.**

A survey of portfolio models and theories; factors affecting corporate and other securities as portfolio choice. Organization of capital markets and the analysis and evaluation of securities. Prerequisites: ECO 211, ECO 212.

## COURSES IN FRENCH

### **FRE 110 Elementary French**

**3 Sem. Hrs.**

The course is designed to develop the basic communicative skills: speaking, aural comprehension, reading, and writing. Regular laboratory practice.

### **FRE 120 Elementary French**

**3 Sem. Hrs.**

This course continues the development of the basic communicative skills: aural comprehension, speaking, reading and writing. Regular laboratory practice. Prerequisite: FRE 110 or placement examination.

### **FRE 211 Intermediate French**

**3 Sem. Hrs.**

This course will continue the development of the basic skills in the use of the language with emphasis on effecting a greater oral fluency and a broader reading comprehension. Language laboratory practice. Prerequisite: FRE 120 or placement examination.

### **FRE 212 Intermediate French**

**3 Sem. Hrs.**

Emphasis will be on effecting a greater oral fluency and a broader reading comprehension. Language laboratory practice. Prerequisite: FRE 211 or placement examination.

### **FRE 311 French Conversation I**

**3 Sem. Hrs.**

A course designed to develop greater oral proficiency. Prerequisite: FRE 212.

### **FRE 312 French Conversation and Composition**

**3 Sem. Hrs.**

This is a continuation of the development of the skills in oral expression with practice and study in the correct writing of the language. Phonetics, intonation, dictation and vocabulary building will be included. Prerequisite: FRE 311.

### **FRE 321 French Civilization and Culture**

**3 Sem. Hrs.**

This provides study of the civilization, culture and history with attention given to the life, customs, philosophy, art, music and general culture patterns of the people. Prerequisite: FRE 212.

### **FRE 322 Survey of French Literature I**

**3 Sem. Hrs.**

The course is a comprehensive study of the most representative French authors and their works from earliest time to 1800. Prerequisite: FRE 321.

### **FRE 331 Survey of French Literature II**

**3 Sem. Hrs.**

This is a continuation of the survey of French literature with studies of the nineteenth and twentieth centuries. Prerequisite: FRE 322.

### **FRE 340 Survey of French Literature**

**3 Sem. Hrs.**

This provides a study of the masterpieces of French literature from the earliest times through the contemporary period. Prerequisite: FRE 321. (This course is designed for students minoring in the language.)

### **FRE 411 17th Century French Literature**

**3 Sem. Hrs.**

This is a comprehensive study of French classicism with a study of the literary masterpieces of the 17th century. Special emphasis is on explication de texte. Conducted in French. Prerequisite: FRE 322.



**FRE 421 The French Novel****3 Sem. Hrs.**

This course is a comprehensive study of the romantic, realistic and naturalistic novel in the nineteenth century with a study of the literary movements and authors in the first half of the twentieth century. Prerequisite: FRE 331.

**FRE 431 Advanced Grammar, Composition, and Linguistics****3 Sem. Hrs.**

A thorough review of grammar and syntax with free composition in French. Emphasis also on study of linguistics. Prerequisite: FRE 212.

**FRE 440 African and Caribbean Literature in French****3 Sem. Hrs.**

Readings and discussions of literary works by French-speaking authors of North and West Africa and of the Caribbean. Prerequisite: FRE 322 or FRE 331.

**FRE 450 Contemporary French Literature and Thought****3 Sem. Hrs.**

A study of all genres of modern French literature from 1945 to the present. Prerequisite: FRE 331.

## **COURSES IN GEOGRAPHY**

**GGY 210 Principles of Geography****3 Sem. Hrs.**

Consideration is given to some elements of earth sciences, geographic relationships and a general survey of the interaction between man and his physical environment.

**GGY 220 Regional Geography****3 Sem. Hrs.**

This course deals with the geography of the world by regions. A study is made of the meaning of regions and the basic geographic relationship within the major regions of the world. A detailed analysis is made of selected regions.

**GGY 310 Economic Geography \*\*****3 Sem. Hrs.**

A geographic analysis of the distribution of man's economic activities with emphasis on present day patterns and trends of production, distribution and utilization of the world's major commodities.

**GGY 311 Cartography****3 Sem. Hrs.**

Principles and techniques of constructing maps and other graphic devices; the construction of map projections and their uses, problems of scales, lettering and sketching techniques, and graphic presentation of statistical materials.

**GGY 312 Advanced Cartography****3 Sem. Hrs.**

Map and art theory and construction with emphasis on the use of computer graphics.

**GGY 320 Anglo-America****3 Sem. Hrs.**

A study of the physical and cultural landscapes of North America north of Rio Grande. Emphasis is given to the relationships that exist between the natural environment and the human activities in each of the geographic regions of the United States and Canada.

**GGY 321 Geography of the Soviet Union****3 Sem. Hrs.**

A study of the physical and cultural landscapes of the USSR both historical and present.

**GGY 322 Latin America****3 Sem. Hrs.**

A regional study of the physical environmental conditions, natural resources, economic development, and social and political conditions of the Latin American countries.

**GGY 330 Geography of Africa****3 Sem. Hrs.**

This course deals with the continent of Africa as a whole and the regional description of its countries and regions as well as the current problems and developments. This course is designed to stimulate the interest of the students in African geography and lead them into further understanding of the distinctiveness of Africa and its character as different from that of every continent.

**GGY 331 Geography of Europe****3 Sem. Hrs.**

A study of the physical and cultural landscapes of Europe both historical and present.

**GGY 340 Cultural Geography****3 Sem. Hrs.**

An examination of human experience as it occurs in different natural settings. An analysis of symbolic and material elements of culture with special focus upon those with landscape and environment manifestations. Specific case studies will be used to determine how processes such as innovation, diffusion, and cultural change function.

**GGY 350 Physical Geography****3 Sem. Hrs.**

An advanced examination of the physical systems of the earth with emphasis on their systematic functions.

**GGY 360 Climates****3 Sem. Hrs.**

A study of the world climates with controls, classification distribution and influence on man.

**GGY 410 Man and Environment****3 Sem. Hrs.**

An examination of ideas about the environment prevalent in western thought and the manifestation of those attitudes in the landscape. Much of the course will be devoted to specific types of ecosystem degradation and how such problems have been and might be dealt with.

**GGY 411 Industrial Geography \*\*****3 Sem. Hrs.**

A study of manufacturing regions and the major industries of leading industrial nations of the world. Attention is given to factors relating to the nature, location and development of manufacturing industries.

**GGY 412 Ecology****3 Sem. Hrs.**

A geographic study of the ecological system of the earth, that is, the community of organisms and the relationship of these organisms to their environment.

**GGY 420 Conservation of Natural Resources \*\*\*****3 Sem. Hrs.**

The wise and unwise use of natural resources of the earth and their relation to conservation practices. Conservation problems and techniques of water, soil, forest, grasslands, animals and human resources.



**GGY 421 Geography of the South****3 Sem. Hrs.**

This course is designed to present an analytical description of the present day Southern United States. Consideration is given to the study of its physical, historical, economic, and cultural environment. This course is designed to acquaint the students with the geography of the South so that they will become familiar with the distinctive and changing character of this area of the United States.

**GGY 422 Geography of Eastern Asia****3 Sem. Hrs.**

A study of the physical features, natural resources, population distribution and economic adjustments of the land and people of East Asia. Emphasis will be on China, India, and Japan.

**GGY 430 Geomorphology**

An examination of land form development and the systems which create the natural landscape.

**GGY 431 Political Geography \*\*\*****3 Sem. Hrs.**

A study of the geographical nature of states; organizations, power, boundaries, internal and external relations as influenced by, and adjusted to, geographic conditions; geopolitics and contemporary problems.

**GGY 440 Urban Geography****3 Sem. Hrs.**

A geographic survey of external and internal spatial relationships of cities and city systems with special emphasis on the growth, distribution, and functional patterns within and among cities in various parts of the world, particularly within the United States.

\* Recommended for Urban Affairs Program

\*\* Recommended for majors in the Division of Business

\*\*\* Recommended for majors in the Department of History and Political Science

## **COURSES IN GEOLOGY**

**GEO 311 Introduction to Geology****3 Sem. Hrs.**

This course includes the dynamic earth, anatomy of the earth and surface alterations. Occasional field trips are made.

**GEO 312 Introduction to Geology****3 Sem. Hrs.**

This course includes the conclusion of surface alterations, the fossil record and change, and geologic time. Occasional field trips are a part of the course.

## **COURSES IN GERMAN**

**GER 110 Elementary German****3 Sem. Hrs.**

The course is designed to develop the basic communicative skills: speaking, aural comprehension, writing, and reading. Regular laboratory practice.

**GER 120 Elementary German****3 Sem. Hrs.**

This course continues the development of the basic communicative skills: comprehension, speaking, reading, and writing. Regular laboratory practice. Prerequisite: GER 110 or placement examination.

**GER 211 Intermediate German****3 Sem. Hrs.**

This course will continue the development of the basic skills in the use of the language with emphasis on effecting a greater oral fluency and a broader reading comprehension. Laboratory practice. Prerequisite: GER 120 or placement examination.

**GER 212 Intermediate German****3 Sem. Hrs.**

Emphasis will be on effecting a greater oral fluency and a broader reading comprehension. Language laboratory practice. Prerequisite: GER 211 or placement examination.

**GER 310 Advanced Conversation and Phonetics****3 Sem. Hrs.**

This course will guide the student toward a more coordinated liberated expression in German, through insight into the grammatical principles underlying the patterns he imitates, mastery of a practical vocabulary, feeling for speech rhythm, and familiarity with German word order. Introduction to the symbols adopted by the International Phonetic Association, transcription and pronunciation exercises. Prerequisite: GER 212.

**GER 321 German Civilization****3 Sem. Hrs.**

Reading selections dealing with people and events from early times up to the twentieth century. The purpose of this course is to afford the student with some insight into the cultural development of the German people with reference to their history, music, art, literature, and science through the ages. Prerequisite: GER 212.

**GER 322 Modern German Literature****3 Sem. Hrs.**

Selections from modern German prose, drama and poetry will be read and discussed. Lectures on main trends and major authors. Prerequisite: GER 212.

**GER 330 History of the German Language****3 Sem. Hrs.**

A presentation of the development of sounds from Indo-European to New High German, and of the political, social, and literary forces which influenced this development of the German language. Prerequisite: GER 310.

**GER 410 Survey of German Literature, Origins to 1900****3 Sem. Hrs.**

Prerequisite: Consent of the department coordinator or three hours of 300 level work.

**GER 420 Survey of German Literature, 1900 to Present****3 Sem. Hrs.**

Prerequisite: Consent of the department coordinator or three hours of 300 level work.

**GER 421 Advanced Grammar****3 Sem. Hrs.**

Advanced study of German grammar, with emphasis on modern written and conversational German. A review of word formation, punctuation, etc., will be included. Prerequisite: GER 212.

**GER 422 Stylistics****3 Sem. Hrs.**

The purpose of this course is to further the student's capabilities for precise self-expression. The course includes study and analysis of the various stylistic levels of the language, introduction to stylistic devices, review of syntax and various parts of

speech and their effect on style, exercises with synonyms and antonyms, and guided compositions. Prerequisite: GER 421.

### **GER 430 Special Topics**

**3 Sem. Hrs.**

This course will be offered on demand. It will consist of detailed investigations of special topics in language or literature. Studies will be made in consultation with the instructor and the coordinator of the Modern Foreign Language Department.

## **COURSES IN HEALTH EDUCATION**

### **HED 112 Personal Hygiene**

**2 Sem. Hrs.**

This course deals with basic concepts of personal and community health in complex modern society. Sexuality, population, planning, mental health, nutrition, fitness, health care delivery systems, and diseases of infectious and non-infectious nature are considered.

### **HED 300 Healthful Family and School Living**

**3 Sem. Hrs.**

This course deals with information and concepts of sex education including physiological, social and moral aspects of human sexuality. Such topics as love, biological male and female, marriage, pregnancy, childbirth and birth control will be covered. Emphasis is on teacher preparation in sexuality and family living.

### **HED 321 Health In Early Childhood Education**

**3 Sem. Hrs.**

This course deals with the theory and practice of planning different types of health education experiences for grades K-3. The construction of teaching units and material aids is required in an observation/teaching experience in the campus school.

### **HED 322 Health Education In the Intermediate Grades**

**3 Sem. Hrs.**

This course deals with the theory and practice of planning different types of health education teaching-learning activities related to selected health topics for grades 4-6 and 7-9. The construction of teaching units and material aids is required.

### **HED 372 First Aid**

**3 Sem. Hrs.**

This course is designed to teach the underlying principles and applied techniques of first aid. Requirements of the course in Standard First Aid will be met with an awarded American Red Cross Certificate.

### **HED 411 Administration of Public Health Services**

**3 Sem. Hrs.**

A study of the organization, administration and management of public health organization with emphasis on the various social, cultural and economic factors that determine current policies and practices in the field.

### **HED 421 Principles, Practices, and Procedures In Health Education**

**3 Sem. Hrs.**

This course deals with the role of the teacher in the elementary school health program, including principles, practices, and procedures in teaching health at the elementary level. The construction of teaching units and material aids is required.

### **HED 431 Adapted Physical Education**

**3 Sem. Hrs.**

This course deals with a study of the nature of handicapped conditions and the application of this information to the development of a physical education program that meets the special needs of the handicapped.

## **COURSES IN HISTORY**

### **HIS 100 Social Institutions: Their Nature and Change**

**3 Sem. Hrs.**

An interdisciplinary course encompassing basic principles of economic, sociology, history, geography, political science, psychology and the Black experience in three sequences. Sequence I analyses the functional elements within the various social institutions which make the socio-cultural world. In Sequence II the power structure of society is examined with special attention to the acquisition and maintenance of power and the causes and effects of socio-economic conflict and change on the social systems and its institutions. Sequence III is a case study of concepts learned in the first two sequences by focusing on the experiences of Black people in the past and current civilizations in Africa and the United States.

### **HIS 110 World History to 1600**

**3 Sem. Hrs.**

A survey of the history of man, his governmental, economic, social, religious, intellectual, and esthetic activities—from the earliest time to 1600 in Europe, Asia, Africa and the Americas.

### **HIS 120 World History Since 1600**

**3 Sem. Hrs.**

In the second half of world history, special attention is devoted to the ideologies, movements, wars and revolutions that have shaped modern history.

### **HIS 210 Afro-American History**

**3 Sem. Hrs.**

The social, economic and political history of the Black American. Attention is given to contributions of Blacks to the social, economic and intellectual life of American society; their role in its exploration, discovery and development; the experience of slavery and the struggle for civil rights.

### **HIS 211 The United States to 1865**

**3 Sem. Hrs.**

A survey of American history from the reign of George III and the Revolution through the Civil War.

### **HIS 212 The United States Since 1865**

**3 Sem. Hrs.**

A continuing survey of the forces shaping American society and institutions from the Reconstruction Era to the present.

### **HIS 301 The Era of Civil War and Reconstruction**

**3 Sem. Hrs.**

An examination of the forces that led to the outbreak of the Civil War between North and South; the Union victory; and the problems of reconstructing the Nation.

### **HIS 302 The Rise of Modern America, 1914 to Present**

**3 Sem. Hrs.**

For history and non-history majors. The twentieth century background of contemporary American society emphasizing the impact of two world wars on the development of the United States as an advanced industrial society and as a world power.

### **HIS 311 Modern European History, 1648-1815**

**3 Sem. Hrs.**

A basic survey of the political, economic, social and cultural developments in Europe from the Treaty of Westphalia to the Congress of Vienna.

### **HIS 312 Modern European History, 1815-Present**

**3 Sem. Hrs.**

Continuation of the survey of European history in the 19th and 20th centuries to the contemporary period.

### **HIS 370 Africa South of the Sahara**

**3 Sem. Hrs.**

Survey of ancient, medieval, colonial and modern civilizations and states in Africa,

with emphasis on Sub-Sahara regions; problems of the African heritage and the rebirth of contemporary African cultures.

**HIS 371 The Renaissance and Reformation 1300-1648** **3 Sem. Hrs.**

The rise of individualism and humanistic thought after 1300 A.D.; the fragmentation of religious and political authority in Europe; the reformation and religious wars to the Treaty of Westphalia.

**HIS 380 Medieval Europe** **3 Sem. Hrs.**

The Latin Christian community of Europe from the fourth to the twelfth centuries.

**HIS 400 History of the South** **3 Sem. Hrs.**

Development of the southern United States since 1820. Special emphasis is given to race relations and industrial growth of the region in the mid-20th century.

**HIS 410 Survey of American Urban History** **3 Sem. Hrs.**

An examination of the forces that have shaped the development of the American city from the colonial era to the present. Inquiry into the social, economic and political effects of urban life on city dwellers.

**HIS 430 Twentieth Century Europe** **3 Sem. Hrs.**

A study of the recent origins of contemporary European problems; the world wars; social and economic upheaval; fascism, communism, national rivalries, domination by the super powers; and the recovery of economic and political stability.

**HIS 431 Russia and the Soviet Union** **3 Sem. Hrs.**

Political, economic, social and ideological aspects of Russian society and its collapse in revolution and civil war during 1917-1921.

**HIS 432 Russia and the Soviet Union** **3 Sem. Hrs.**

Emphasis on the political and socio-economic system of Soviet Society and on its role in the contemporary international context.

**HIS 441 History of England** **3 Sem. Hrs.**

Beginning with the Stuart era in 1603 to the 1950's; discussion of parliamentary liberty and overseas expansion; English sea power, the Industrial Revolution; democracy, commonwealth, empire; the world wars and dissolution of the Empire.

**HIS 442 History of Modern Germany** **3 Sem. Hrs.**

German history in five periods; before unification (1815-1870); under Bismarck; under Wilhelm II; between the wars; since 1945.

**HIS 450 Central Europe and the Balkans** **3 Sem. Hrs.**

Evolution of the Hapsburg and Ottoman Empires and the modern secession states of Austria, Hungary, Czechoslovakia, Yugoslavia, Bulgaria, etc.

**HIS 451 The French Revolution and Napoleon** **3 Sem. Hrs.**

Collapse of the ancient regime, its causes and effects; Napoleon's attempt to establish a new order in Europe under French hegemony; the Congress of Vienna. Prerequisite: HIS 120 or HIS 311.

**HIS 320 Economic History of the United States** **3 Sem. Hrs.**

The process of economic growth from 1783 to the present. The development of various sectors in the economy and their interdependence.



**HIS 321 American Social History** **3 Sem. Hrs.**

The daily life, institutions, intellectual and artistic achievements of the Agrarian Era, 1607-1861; major emphasis on the Urban-Industrial Era from 1861 to the present.

**HIS 322 Ethnic Minorities in American Urban History** **3 Sem. Hrs.**

An examination of the impact of urban America on the history of minority groups in the United States, the relationship between the urban social order and the condition of minority groups since 1900 and considering the contributions of ethnic groups to the American city.

**HIS 330 America Moves West** **3 Sem. Hrs.**

The settlement of the American West; economic, social, political and geographic factors influencing expansion; analysis of the frontier theory.

**HIS 331 History of Modern East Asia** **3 Sem. Hrs.**

Introduction to the modern history of China from the decline of the Manchu dynasty (about 1800); to the victory of the Red Army in 1949, the history of modern Japan from 1853 to 1945.

**HIS 332 History of South Asia** **3 Sem. Hrs.**

Survey of the rise of nationalism and independence movements in the former European colonies of India, Pakistan, the Phillipine Islands, Indonesia and French Indo-China.

**HIS 340 American Diplomatic History** **3 Sem. Hrs.**

American diplomacy from the Colonial Period to the present. Emphasis on U.S. foreign relations in the twentieth century.

**HIS 350 History of Latin America** **3 Sem. Hrs.**

The institutions and the political, social and economic problems of contemporary states of Latin America.

**HIS 351 Ancient History** **3 Sem. Hrs.**

The origins, development, contributions and collapse of ancient Roman civilization.

**HIS 352 North Africa and the Middle East** **3 Sem. Hrs.**

Islamic culture and civilization around the southern and eastern rim of the Mediterranean from the seventh century to the present.

**HIS 360 European Military History** **3 Sem. Hrs.**

Evolution of the military profession in the European-Western tradition from ancient Greece to the post World War II era. Examination of European military strategy, tactics, doctrines, technology, concepts and philosophy; to include the Roman experience, medieval armies, the Thirty Years' War, World War I, and World War II.

**HIS 362 American Military History** **3 Sem. Hrs.**

Evolution of the American military profession from Colonial times to the post World War II era. Examination of American military strategy, tactics, doctrines, technology, concepts, and philosophy; to include study of the Civil War, World War I, and World War II.

**HIS 460 Senior Seminar: Problems in American History** **3 Sem. Hrs.**

A consideration of selected controversial issues in American history. Students will



evaluate critically such issues as the causes and results of the American War for Independence, sectionalism, The American Civil War, the New Deal, etc.

**HIS 470 Seminar on Neo-Colonialism**

**3 Sem. Hrs.**

Readings and discussions on the political, economic and strategic interests of the Great Powers in colonies and former colonial possessions since 1880, with special attention to Vietnam and selected African states. Prerequisite: HIS 311-312, 331 or 332.

**HIS 480 Senior Seminar: Problems in European History**

**3 Sem. Hrs.**

Historiographic survey of selected problems and issues in the history of Europe. Prerequisite: Senior standing.

**HIS 490 Advanced Reading and Research**

**3 Sem. Hrs.**

Supervised reading and research in areas of special interest under supervision of designated instructor. Prerequisite: Permission of chairperson.

## **COURSES IN HISTORY AND POLITICAL SCIENCE**

**H/P 300 Contemporary Afro-American Politics**

**3 Sem. Hrs.**

Selected issues of Afro-American History in America, with emphasis on contemporary political organizations and activities of Afro-Americans.

**H/P 310 Political History of Contemporary China**

**3 Sem. Hrs.**

Political development of China from The Revolution of 1911 to the consolidation of power by Mao-Tse-Tung in the post war period to the present.

**H/P 341 Constitutional Law and History**

**3 Sem. Hrs.**

Basic principles of the constitutional system, with particular emphasis upon cases that deal with the framework of the American federal system.

**H/P 342 Civil Rights and the Constitution**

**3 Sem. Hrs.**

A case study of constitutional principles and their application affecting individual civil rights.

**H/P 440 Modern Ideologies**

**3 Sem. Hrs.**

Study and comprehension of the principle modern ideologies: capitalism, communism, fascism and socialism.

## **COURSES IN MANAGEMENT**

**MGM 311 Principles of Management**

**3 Sem. Hrs.**

Emphasis on the bases and principles of management including planning, organizing, staffing, directing, controlling, and the role of the manager in the changing environment. Prerequisite: ECO 211.

**MGM 320 Small Business Management**

**3 Sem. Hrs.**

An introduction to the environment of the small business. Attention will be directed to the growing business in which one or a few people face the challenge of developing an enterprise with limited financial resources. Cases, readings, and discussions will focus on problems and principles involved in small business such as analysis of legal organization forms, location, product market determination, financial taxation, and human relations aspects.

**MGM 330 Production Management****3 Sem. Hrs.**

A study of plant location and design; internal organization for operations, production planning and control, stores control, routing and handling materials; quantitative approaches; operations research. Prerequisite: ECO 211.

**MGM 340 Hotel and Motel Management****3 Sem. Hrs.**

A study of principles and practices related to management and operation of hotels and motels.

**MGM 410 Personnel Management****3 Sem. Hrs.**

A study of personnel administration, its objectives, organization, functions, and role in the operations of business enterprises giving consideration to key problems in the areas of employee selection, hiring, and placement; training; wage and salary administration; promotion, transfer, and separation; and personnel services. Prerequisite: ECO 211.

**MGM 420 Human Relations In Business Practices****3 Sem. Hrs.**

A study in understanding human behavior in business organizations including study of the concepts, theories, and research findings in the behavioral aspects of management through discussion and case studies. Prerequisites: ECO 211, MGM 311.

## **COURSES IN MARKETING**

**MKT 310 Marketing****3 Sem. Hrs.**

A study of the principles of marketing; current practices and structure of the market; analysis of marketing functions, institutions, costs, and marketing legislation.

**MKT 321 Salesmanship****3 Sem. Hrs.**

An introduction to selling with emphasis placed on the basic principles underlying the sales process and their application to the problem of salesmen. Prerequisite: ECO 211.

**MKT 322 Advertising****3 Sem. Hrs.**

Principles of advertising and a study of advertising media, discussing special problems of small business concerns including appropriations and planning aimed at acquainting the student with the development of advertising and its economic significance to the consumer and to the advertiser. Prerequisite: ECO 211.

**MKT 330 Retailing****3 Sem. Hrs.**

Survey of retailing and its role in distribution. Problems of administrative organization, store location, layout, buying, pricing, merchandising, and sales promotion are to be discussed. Current trends in retailing are explored.

**MKT 331 Consumer Behavior****3 Sem. Hrs.**

A survey of the theories of consumer behavior. Contributions from the social science and their applications to the marketing discipline.

**MKT 410 Marketing Cases and Problems****3 Sem. Hrs.**

Organization and coordination of the total marketing program—sales, advertising, credit, marketing and consumer research, material management, planning and policy determination, including distribution policies, cost analysis, pricing, sales forecasting and demand analysis, governmental regulations affecting marketing,

and adjusting to competitive trends and changing market conditions. Several case studies will be used.

**MKT 412 Sales Management**

**3 Sem. Hrs.**

The study of the functions of a sales department within the marketing organization. Included are organization, recruiting, selecting, training, motivating, supervising, compensating, and evaluating sales personnel.

**MKT 421 International Marketing**

**3 Sem. Hrs.**

A survey of the structure, techniques, problems and general environment of marketing abroad. Subjects include organization, promotion, finance, legal aspects, and operations of the multi-national corporation.

**MKT 460 Marketing Research**

**3 Sem. Hrs.**

Application of scientific methods of obtaining information for structuring marketing policies and techniques: emphasis on role of research in the solution of marketing problems. Prerequisite: BAD 312.

## **COURSES IN MATHEMATICS**

**MAT 120 Introduction to Contemporary Mathematics I**

**3 Sem. Hrs.**

The first in the sequence of two courses designed for non-mathematics majors. Topics include: the real number system; sets and logic; elements of elementary algebra such as polynomials, operations, linear and quadratic equations and inequalities, functions, and graphing, and mathematical induction; plane geometry; basic computer programming; the metric system; and topics in consumer mathematics. The point of view is intuitive, with an emphasis on computational skills and applications.

**MAT 121 Introduction to Contemporary Mathematics II**

**3 Sem. Hrs.**

A continuation of MAT 120 with topics selected from: elements of elementary algebra such as algebraic, exponential and logarithmic functions, complex numbers, properties of functions, system of linear equations, vectors, matrices, and determinants; linear programming; permutations, combinations and the binomial theorem; probability; statistics; analytic geometry; plane trigonometry; and introductory elements of the calculus. The point of view is intuitive. Prerequisite: MAT 120 or equivalent.

**MAT 131 Algebra and Trigonometry**

**3 Sem. Hrs.**

This is a pre-calculus course and is designed to give a rapid review of the fundamentals of mathematics.

**MAT 142 Analytic Geometry and Calculus I**

**4 Sem. Hrs.**

The first of three semesters of a unified course in analytic geometry and calculus. Topics include rectangular coordinates in the plane, graphs and equation of lines, algebraic curves including conic sections and other examples by general discussion methods. Also introduced are functions, limits, continuity, differentiation of algebraic functions, with applications of derivatives and differentials. Prerequisite: MAT 131 or Consent of department coordinator.

**MAT 220 Applied Calculus**

**4 Sem. Hrs.**

This course is designed for business, biology and social science majors. It covers limits and derivatives, techniques of differentiation, applications, logarithmic and exponential functions, higher derivatives, definite integral applications, integration techniques, multivariate calculus, partial derivatives, examples and applications in

biological and behavior science. Prerequisite: Consent of department coordinator.

**MAT 241 Analytic Geometry and Calculus II**

**4 Sem. Hrs.**

The second of three semesters of a unified course in analytic geometry and calculus. Topics include areas, volumes, lengths of curves, centroids, moments of inertial and rectangular and polar coordinates; approximate integration, improper integrals, indeterminate forms; infinite series and expansion of functions; solid analytic geometry and partial differentiation. Multiple integrals in rectangular, cylindrical and spherical coordinates. Prerequisite: MAT 142.

**MAT 242 Analytic Geometry and Calculus III**

**4 Sem. Hrs.**

The third of three semesters of a unified course in analytic geometry and calculus. Topics include areas, volumes, lengths of curves, centroids, moments of inertial and rectangular and polar coordinates; approximate integration, improper integrals, indeterminate forms; infinite series and expansion of function; solid analytic geometry and partial differentiation. Multiple integrals in rectangular, cylindrical and spherical coordinates. Prerequisite: MAT 241.

**MAT 251 Linear Algebra**

**3 Sem. Hrs.**

Concepts to be studied are: systems of linear equations, matrix theory, vector spaces, bases and linear transformations. Prerequisite: MAT 131.

**MAT 262 Modern Geometry**

**3 Sem. Hrs.**

Concepts to be studied are: incidence geometry in planes and space, distance and congruence, separation in planes and space, angular measure, congruences between triangles, parallel postulate and parallel projection, similarities between triangles. Prerequisite: MAT 131.

**MAT 312 History of Mathematics**

**3 Sem. Hrs.**

A survey of the development of mathematics with biographic references, national achievements and discussion of mathematics interest. Prerequisite: MAT 142.

**MAT 331 Differential Equations I**

**4 Sem. Hrs.**

Emphasis on the solution of ordinary linear differential equations and some partial differentials. Attention to the methods of numerical analysis of non-linear equations. Applications to science and engineering stressed. Prerequisite: MAT 241.

**MAT 332 Differential Equations II**

**4 Sem. Hrs.**

Continuation of MAT 331. Prerequisite: MAT 331.

**MAT 340 Topics in Mathematics**

**3 Sem. Hrs.**

May be repeated for additional credit with the approval of the department. This course is designed to serve particular needs not served by other departmental offerings, such as the needs of the National Science Foundation Institute for Teachers. Topics chosen from such fields as set theory, linear algebra and geometry, and probability. Prerequisite: Consent of the department.

**MAT 351 Probability and Statistics**

**4 Sem. Hrs.**

Sample spaces and probability measure. Random variables. The addition and multiplication principle. Simple descriptive statistics. Repeated trials and the binomial distribution as the limiting form of the binomial distribution. The normal reproductive law. Bivariate distributions and the least squares. Coefficient of correlation. The use of confidence intervals for statistical inference. Prerequisite: MAT 241.



**MAT 361 Introduction to Modern Algebra I** **3 Sem. Hrs.**

Algebraic quotient and polynomial rings, ideals, groups, ring fields, vector spaces and linear transformations. Classification of quadratic forms, determinants, systems of linear equations and Euclidean algorithms. Prerequisite: MAT 142.

**MAT 362 Introduction to Modern Algebra II** **3 Sem. Hrs.**

Continuation of MAT 361. Prerequisite: MAT 361.

**MAT 390 Set Theory** **3 Sem. Hrs.**

A rigorous study of axiomatic set theory, topics include ordinal numbers, transfinite induction, cardinal numbers, cardinal arithmetic, and the Axiom of Choice. Prerequisite: MAT 361.

**MAT 400 Introduction to Modern Mathematics** **Variable Credit**

Examination and evaluation of the more significant contemporary ideas in mathematics. Topics in arithmetic, algebra and geometry are presented in such a way that the study is stimulated by the ideas. This course is designed to meet the needs of an in-service teacher who may need to work with some of the new programs.

**MAT 411 Advanced Calculus I** **4 Sem. Hrs.**

A detailed and rigorous discussion of the notions of limit, continuity, properties of continuous functions, mean value theorems and Taylor's Formula. Prerequisite: MAT 242.

**MAT 412 Advanced Calculus II** **4 Sem. Hrs.**

A continuation of Mathematics 411. Prerequisite: MAT 411.

**MAT 420 Mathematical Concepts for Elementary School Teachers** **3 Sem. Hrs.**

Sets, development of the real number system, measurements, attribute blocks, cuisenaire rods, elements of geometry, computer utilization, motivational games. (Strongly recommended for all elementary education majors).

**MAT 432 Reading and Honors in Mathematics** **3 Sem. Hrs.**

**MAT 440 Statistics** **4 Sem. Hrs.**

Measure of central tendency, dispersion, regression, equations, correlation, reliability, index numbers, normal probability curve, sampling. Prerequisites: MAT 120-121 or consent of instructor.

**MAT 450 Selected Topics in Mathematics** **3 Sem. Hrs.**

Topics chosen from such fields as topology, differential geometry, complete analysis mathematics, or modern algebra. May be repeated for credit with the approval of the department.

**MAT 461 Introduction to the Theory of Real Variables** **3 Sem. Hrs.**

A rigorous treatment of limits, function, continuity, differentiability and infinite series. Introduction to the Riemann-Stieltjes integral and Lebesgue theory. Recommended for prospective graduate students. Prerequisite: MAT 390.

**MAT 472 Theory of Numbers** **3 Sem. Hrs.**

Elementary properties of integers, divisibility, Euclid's Algorithm, prime numbers, congruences. Prerequisite: MAT 361.

**MAT 481 Introduction to Topology I****3 Sem. Hrs.**

To acquaint the student with the basic topics in the field of topology. Informal set theory, cardinals, ordinals, Zorn's Lemma, Axiom of Choice, topology of metric spaces, introduction to general topological spaces, separation axioms, compactness and connectedness. Fundamental group. Prerequisite: MAT 390.

**MAT 482 Introduction to Topology II****3 Sem. Hrs.**

Continuation of MAT 481. Prerequisite: MAT 481.

**MAT 492 Complex Variables****3 Sem. Hrs.**

Elementary functions, differentiation and integration of analytic functions, Taylor and Laurent series, contour integration and residual theory, conformal mapping, Schwartz-Christoffel transformation. Prerequisite: MAT 411.

## **COURSES IN MEDICAL TECHNOLOGY**

**MED 200 Medical Terminology****2 Sem. Hrs.**

Comprehensive overview of medical terms with major emphasis on usage as applied in various disciplines in the area of medical technology.

**MED 451 Clinical Microscopy****3 Sem. Hrs.**

Study of techniques used in the chemical and microscopic evaluation of urine.

**MED 452 Serology****3 Sem. Hrs.**

Study and practice of serological diagnostic tests.

**MED 460 Hematology****6 Sem. Hrs.**

Clinical laboratory evaluation of the normal and pathologic morphology of blood and blood forming organs.

**MED 462 Blood Bank****4 Sem. Hrs.**

Study of basic principles of blood coagulation: Includes laboratory practice in type and cross matching of blood.

**MED 470 Microbiology****8 Sem. Hrs.**

Study of the morphology and physiology of bacteria, fungi and parasites. Includes the study of defense mechanisms and preparation of culture media, techniques for identification.

**MED 472 Clinical Chemistry****8 Sem. Hrs.**

Diagnostic analysis of blood and body fluids.

## **COURSES IN PHILOSOPHY**

**PHI 210 Introduction to Philosophy****3 Sem. Hrs.**

This is an introductory course which examines the nature and function of philosophy and encourages an analytical and critical approach to man's encounter with the external world. It seeks to reveal the process and disciplines of philosophy through the investigation of fundamental philosophic questions and to show the different interpretations through a variety of philosophic literature. The sequence includes a study of myths, religion and epistemology.

**PHI 220 Introduction to Logic****3 Sem. Hrs.**

The aim of this course is to give students practical ideas useful for critical reasoning and to improve the ability of the student to solve problems.



**PHI 230 Political and Social Philosophy****3 Sem. Hrs.**

This is an introductory course which seeks to provide knowledge of contemporary and traditional social thought and the relationship of social practice. It encourages the awareness of the inter-relation of social and economic issues. It also examines the African world-view and its relationship with other world views.

**PHI 320 Introduction to Ethics****3 Sem. Hrs.**

A philosophical exploration of the basis of the good life. A study of various approaches to the problems of moral belief and practices will be made in this course.

**PHI 420 Philosophy of Religion****3 Sem. Hrs.**

Designed to give a critical understanding of the claims of religion, God, religious experience, the meaning and truth of religious belief.

**PHI 430 Seminar in Philosophy****3 Sem. Hrs.**

Individual or group study of selected contemporary philosophical issues. Exposition and discussion of the results.

## **COURSES IN PHYSICAL EDUCATION**

**PED 100 Individual Physical Education Activities****1 Sem. Hr.**

Special activities designed for students with physical disabilities or whose examinations show they are unable to participate in a regular vigorous physical education class.

**PED 101 Swimming (Coed)****1 Sem. Hr.**

This course is designed to provide all University students who have never learned to swim, because of the lack of opportunity, fears, and mis-conceptions, a chance to learn to swim. The course will be taught as outlined by instructions provided for beginners swimming.

**PED 102 Dance****1 Sem. Hr.**

To teach the fundamentals of movement and to enable the student to create new ways of dealing with force, time and space of elements of movements.

**PED 110 Softball****1 Sem. Hr.**

To teach the rules and skills, offense, defence, and playing strategies of softball.

**PED 111 Trampoline****1 Sem. Hr.**

To teach the techniques and skills of body control and safety required in performance on the trampoline.

**PED 112 Golf****1 Sem. Hr.**

To develop an understanding of the terminology, rules, courtesies, playing techniques and performance skills of golf.

**PED 120 Tennis and Badminton****1 Sem. Hr.**

To teach the rules, techniques, skills and playing courtesies of tennis and badminton. Emphasis will be placed on teaching both the singles and doubles games.

**PED 121 Archery and Table Tennis****1 Sem. Hr.**

To teach the performance skills and techniques in the sports of archery and table tennis.

**PED 130 Basketball****1 Sem. Hr.**

To teach the rules and skills, offense, defense and playing strategies of basketball.

**PED 131 Theory of Physical Exercise****3 Sem. Hrs.**

Required of physical education majors during the first semester of the freshman year. An overview of the field of health, education and recreation, regarding the profession, curriculum and employment opportunities.

**PED 132 Bowling****1 Sem. Hr.**

To develop knowledge of the rules, performance skills and techniques for beginning students in the sport of bowling.

**PED 200 Swimming****1 Sem. Hr.**

This course is designed for physical education majors who already have the ability to swim. Students enrolled in this course will advance to the level of developing the following skills: a fully coordinated crawl stroke, side stroke, breast stroke, open turn, and surface turns, underwater swimming and back float. Prerequisite: pass the classification test for physical education majors.

**PED 201 Swimming II****1 Sem. Hr.**

This course's content and standards are designed for the intermediate level of swimming. The skills presented in this course will be taught to all who consider themselves competent in the water. The students enrolled in the course will advance to the level of developing the following fundamental skills: front crawl, elementary backstrokes, side stroke and overarm side stroke, breast stroke butterfly, back crawl, trudgen strokes, inverted breast stroke, surface diving, turning at pool ends and diving from the board, designed for physical education majors only. Prerequisite: PED 200.

**PED 202 Life Saving and Archery****1 Sem. Hr.**

This course is designed to cover material presented in the two standard life saving courses, the American Red Cross and the YMCA. Students enrolled in this course will receive instructions in the following ten categories:

- |                                    |                               |
|------------------------------------|-------------------------------|
| 1. Personal safety and self rescue | 6. Defenses and releases      |
| 2. Reaching and equipment rescue   | 7. Search and rescue          |
| 3. Swimming skills for life saving | 8. Removing victim from water |
| 4. Approaches                      | 9. Resuscitation              |
| 5. Swimming assist and carries     | 10. Small craft safety        |

The six-week archery course is designed to teach the skills of aiming, drawing, release, follow-through, rules and regulations.

**PED 210 Track and Dance I****1 Sem. Hr.**

This course is designed to teach such skills as starting, standing, pacing, and performance techniques such as training and the development of speed and strength, as required in track and field activities. Dance includes the basic techniques and steps leading to the development of square and social dance.

**PED 211 Dance II and Tennis I****1 Sem. Hr.**

Tennis will cover the basic strokes, such as, serve forehand, backhand, overhead, smash, volley, and strategy such as baseline, net and partner play. Dance includes the basic techniques and steps leading to the development of folk and tap dance.

**PED 220 Soccer and Bowling****1 Sem. Hr.**

Soccer skills to be taught including beading, dribbling, passing, trapping, throw-ins, and goals play. Rules and strategy will also be introduced. Bowling skills to be taught include selection of ball, grip stance, approach, release, follow through, in addition to scoring and game etiquette.

**PED 221 Water Safety Instruction****1 Sem. Hr.**

A course that reviews all swimming and life-saving techniques and prepares the student to teach these skills. Prerequisites: PED 200, PED 201, PED 202.

**PED 230 Softball, Baseball, Gymnastics II****1 Sem. Hr.**

Softball for women and baseball for men will be covered in the first nine weeks separately and will include such skills as throwing, catching, fielding a ground ball and a fly ball, hitting, bunting, infield play, and base running. Gymnastics II will be taught coeducationally and be a continuation of Gymnastics I with advance apparatus work. Gymnastics II will cover the last nine weeks.

**PED 240 Field Hockey, Wrestling, Volleyball****1 Sem. Hr.**

Field hockey for women and wrestling for men will be covered independently for the first nine weeks. Field hockey will cover such skills as dribbling, stick holding, passing, teamwork, and safety features.

**PED 250 Rhythms and Basketball****1 Sem. Hr.**

The first twelve weeks will be devoted to teaching the basic movements in rhythms, and suitable rhythmic activities for boys and girls. The last six weeks will cover the skills and techniques of basketball such as dribbling, passing, shooting and some offensive and defensive formations and strategies.

**PED 260 Theory and Practice in Elementary Physical Education****3 Sem. Hrs.**

This course is designed to expose the physical education majors and elementary education majors to the use of physical activities in the total development of the elementary age student (4-6). Characteristics of this age group, activities to satisfy the group's growth, methods and materials of presenting activities to this age group are areas of importance to be covered in this course. Areas of concentration will include movement education, rhythms, mimetics, relays, combatives, self-teasing activities, games of low organization, and singing games. Besides on-campus learning the student will gain actual experience in elementary schools.

**PED 270 Football, Speedball, Gymnastics I****1 Sem. Hr.**

Flag football for men and speedball for women will be covered in the first six weeks where each group will learn the skills and techniques of their respective sport. Gymnastics I will be taught coeducationally for twelve weeks and will be covering beginning skills in tumbling and some apparatus work.

**PED 280 Golf and Badminton****1 Sem. Hr.**

This course will cover golf skills such as club selection, approach strokes, trap play, putting, hitting, uphill and downhill, and methods of scoring. Badminton skills will include serves, volley, drop shots, high deep shot, and strategy in both singles and doubles.

**PED 311 History and Principles of Physical Education Curriculum****3 Sem. Hrs.**

This course is concerned with the understanding and interpretation of the principles of the modern physical education program. Contributions of historical pro-

grams related to the development of the present day program are studied and evaluated.

**PED 321 Physical Education In Early Childhood Education 3 Sem. Hrs.**

This course offers materials used for teaching physical education activities and development of programs for children from kindergarten through the third grade.

**PED 322 Physical Education In the Intermediate Grades 3 Sem. Hrs.**

This course describes the best teaching methods for growth and development of children in the intermediate grades, with participation in games, calisthenics, plays, dance, pageants and other activities appropriate to their level of growth and development. Students are encouraged to make a collection of materials which may be useful in their own teaching.

**PED 331 Kinesiology 3 Sem. Hrs.**

This is a general introductory course dealing with the application of the science of kinesiology as it is made in analysis of movements and fundamentals of successful performance.

**PED 341 Teaching of Soccer, Speedball, Field Hockey and Basketball (W) 2 Sem. Hrs.**

Methods of organizing, administering, coaching and officiating of soccer, speedball, field hockey and basketball.

**PED 342 Teaching of Track and Field, Softball and Volleyball (W) 2 Sem. Hrs.**

Methods of organizing, administering, coaching and officiating of track and field, softball and volleyball.

**PED 351 Coaching of Football and Basketball (M) 2 Sem. Hrs.**

Methods of organizing, administering, coaching and officiating of football and basketball.

**PED 352 Coaching of Baseball and Track (M) 2 Sem. Hrs.**

A course concerned with the theory and practice of baseball and track coaching.

**PED 361 Sports Officiating 2 Sem. Hrs.**

A course designed to teach students the rules and mechanics of officiating various seasonal sports. It covers such sports as football, soccer, volleyball and basketball (first half). Laboratory work includes officiating in FSU intramural program and observing and evaluating officials in regular scheduled contests.

**PED 362 Sports Officiating 2 Sem. Hrs.**

A course designed to teach the student the rules and mechanics of officiating various seasonal sports. It covers basketball (second half), track and field (cross country), baseball, gymnastics, and swimming. Laboratory work includes officiating in FSU Intramural program, and observing and evaluating officials in regular scheduled contests.

**PED 411 Organization and Administration of Health and Physical Education 3 Sem. Hrs.**

The philosophy and methodology of the organization and administration of the physical education aspect of a complete school health and physical education program.



**PED 421 Measurement and Evaluation in Health and Physical Education**

**3 Sem. Hrs.**

This course is designed to acquaint students with tests and measurements in the field of health and physical education, test construction scoring and methods of using results.

**PED 431 Adapted Physical Education**

**3 Sem. Hrs.**

Study of problems relating to body mechanics and needs of the physically handicapped students.

**PED 432 Principles, Practices and Procedures in Physical Education**

**3 Sem. Hrs.**

A study of the problems of physical education with participation in games, calisthenics, plays, pageants and other activities appropriate to the elementary school level. Students are encouraged to make collection of materials which may be useful in their own teaching.

**PED 442 Fundamentals and Teaching of Dance**

**3 Sem. Hrs.**

This course includes folk, square, tap and modern dances. Materials included which serve as a fundamental of dance movement in relation to music; mixers, rounds and creative composition; and dances that are peculiar to foreign countries.

**PED 452 The Intramural Sports Program**

**3 Sem. Hrs.**

Organization and administration of the intramural sports program at the public school and collegiate levels.

**PED 462 Physiology of Exercise**

**3 Sem. Hrs.**

A study of the phenomenon associated with acute and chronic exercise and the physiological effects of physical education activities upon the human body.

## **COURSES IN PHYSICAL SCIENCE**

**PSI 111 Physical Science**

**4 Sem. Hrs.**

This course includes the nature of physical science, inorganic and organic chemistry.

**PSI 112 Physical Science**

**4 Sem. Hrs.**

Introduction to the principles of physics, including conservation laws, gas laws and Kinetic Theory, light and heat. Prerequisite: PSI 111.

## **COURSES IN PHYSICS**

**PHY 111 General Physics**

**4 Sem. Hrs.**

Introduction to the basic principles of mechanics (the study of forces and motion), heat and sound.

**PHY 112 General Physics**

**4 Sem. Hrs.**

Introduction to the basic principles of electricity, magnetism, electromagnetic radiation and atomic physics. Prerequisite: PHY 111.

**PHY 211 Mechanics**

**4 Sem. Hrs.**

Chiefly a problem solving course in mechanics, dealing with vectors, rotation, and moments of inertia. Prerequisites: PHY 111 and PHY 112.

**PHY 212 Heat****4 Sem. Hrs.**

Laws of thermodynamics, Kinetic Theory of gases, heat, engines, and air conditioning. Prerequisites: PHY 111, PHY 112.

**PHY 311 Electricity and Magnetism****4 Sem. Hrs.**

Introduction to the theory of electricity and magnetism, the use of direct and indirect currents and their applications. Prerequisites: PHY 112, MAT 142 and MAT 241.

**PHY 312 Electricity and Magnetism****4 Sem. Hrs.**

The application of electromagnetic theory to the problem of electric discharge in gases, and fundamental phenomena as electric conductivity in metals and semiconductors. Prerequisites: PHY 112, PHY 311, MAT 142 and MAT 241.

**PHY 411 Electronics****4 Sem. Hrs.**

Characteristics of vacuum tubes and transistors and their functions in various circuits, radio and television. Prerequisites: PHY 211, PHY 212.

**PHY 412 Biophysics****4 Sem. Hrs.**

This course will treat those basic portions of experimental electricity, electronics, mechanics, thermodynamics, optics and acoustics which are of value to a person preparing for a career in medical research or biophysics.

## **COURSES IN POLICE SCIENCE**

**PSC 101 Introduction to Law Enforcement****3 Sem. Hrs.**

A general course designed to familiarize the student with a philosophy and history of law enforcement, including its legal limitations in a democratic republic, a survey of the primary duties and responsibilities of the various law enforcement agencies, a delineation of the basic processes of justice, an evaluation of law enforcement's current position, and an orientation relative to law enforcement as a vocation.

**PSC 102 Highway Traffic Administration****3 Sem. Hrs.**

An examination is made of the U. S. transportation system and the agencies concerned with increasing efficiency. The system's developmental components and their social, economic and political impacts are reviewed. The organization for traffic control, accident investigation, traffic flow regulations and analyses are surveyed. Also, the administration of traffic laws and traffic courts are areas of concern.

**PSC 111 Criminal Law****3 Sem. Hrs.**

Designed to present a basic concept of criminal law and create an appreciation of the rules under which one lives in our system of government.

**PSC 210 Criminal Investigation****3 Sem. Hrs.**

This course introduces the student to fundamentals of investigation; crime scene search; recording, collection and preservation of evidence; sources of information; interview and interrogation, case preparation and court presentation, and the investigation of specific offenses such as arson, narcotics, sex, larceny, burglary, robbery, and homicide.

**PSC 221 Introduction to Criminalistics****3 Sem. Hrs.**

A general survey of the methods and techniques used in modern scientific investigation of crime, with emphasis upon the practical use of these methods by the students. Laboratory techniques will be demonstrated and the student will participate in actual use of the scientific equipment.



**PSC 230 Criminal Evidence****3 Sem. Hrs.**

Instruction covers the kinds and degrees of evidence and the rules governing the admissibility of evidence in court.

**PSC 232 Police Organization and Administration****3 Sem. Hrs.**

Introduction to principles of organization and administration; discussion of the service functions; e.g., personnel management, police management, training, communications, records, property maintenance and miscellaneous services.

**PSC 241 Crime Scene Technology****3 Sem. Hrs.**

Covers the search for physical evidence and the location, reproduction, identification, collection, preservation, and transporting of evidence to the crime laboratory. Laboratory situations will provide practical experience to supplement the techniques and procedures studied.

**PSC 251 Criminal Procedure****3 Sem. Hrs.**

This course is designed to provide the student with a review of procedures from incident to final disposition; principles of constitutional, federal, state and civil laws as they apply to and affect law enforcement.

**PSC 262 Police Community Relations****3 Sem. Hrs.**

This course is designed to acquaint the student with the strains and problems arising from conflicting demands within the social structure of American Society. The theoretical perspective of remedial action is examined. The student also becomes familiar with how solutions to problems are conditioned by the social content.

**PSC 400 Seminar in Criminal Interrogations and Confessions****3 Sem. Hrs.**

This course covers such aspects of interrogations and confessions as warning the suspect; the Fourth Amendment Right of Privacy; the attitude of the interrogator; classifying suspects for interrogation, tactics at interrogation, the interrogation of witnesses who may later become suspects, and psychological tools to be used in extracting a confession from an unwilling suspect. It exposes the student on how to read a suspect his rights, and who must be warned of their rights. It covers the law governing the admissibility of confessions in court, the use of "trickery and deceit," and the latest law regarding confessions and interrogations — both federal and state. Prerequisites: PSC 101, PSC 111 and H/P 341.

PSC 101 is a prerequisite to all police science courses.

## **COURSES IN POLITICAL SCIENCE**

**AREA I — American Government and Politics****POL 210 Principles of American Government****3 Sem. Hrs.**

Introduction to the historical background, purposes, and functions of political institutions, especially the structure and activities of the American system — federal, state, and local. POL 210 is a prerequisite for all political science courses.

**POL 301 Organizational Theory****3 Sem. Hrs.**

An analysis of special theories about organizations to include the traditional, political environmental, behavioral, bureaucratic and decision-making approaches to the study of modern organization. Includes a study of contemporary issues in the continuing development of organizational theory.

**POL 311 Political Parties and Pressure Groups** **3 Sem. Hrs.**

History, structure, and functions of American political parties and pressure groups; their relationships to democratic government; their techniques of political propaganda.

**POL 312 Public Leadership and Management** **3 Sem. Hrs.**

The focus of this course is on leadership style, human motivations and leadership and the basic problems of management to include decision-making, communications and public relations.

**POL 320 State and Local Government** **3 Sem. Hrs.**

Examination of the framework of state and local governments in the United States and evaluation of their contributions to the federal system. Special attention to North Carolina in comparison with other states.

**POL 321 Public Personnel Management** **3 Sem. Hrs.**

The theory, practice, and organization of the public personnel system in the United States, including the essentials of personnel training, classification, compensation, promotion, testing, employee relations, and employee organizations.

**POL 322 Social Legislation** **3 Sem. Hrs.**

An examination of need and process as well as the record of social legislation with respect to social welfare and social services.

**POL 330 Public Financial Management** **3 Sem. Hrs.**

A study of the setting, practices and problems of modern fiscal management with special emphasis on budgetary concepts and techniques, and budget use as an instrument of planning and control and as an analytical tool at the national, state, and local levels of government.

**POL 331 Politics and Urban Planning** **3 Sem. Hrs.**

A study of approaches to urban planning: the need, process, and limitations with respect to political realities in the nation, state, and community.

**POL 332 The Legislative Process** **3 Sem. Hrs.**

Evolution, structure, functioning, and dynamics of American legislative institutions, and the relations between the legislative, the executive, the judiciary, and outside groups in the law-making process.

**POL 361 Principles of Public Administration** **3 Sem. Hrs.**

A study of basic concepts of administration; the growth of administration as an art and science; the relation of administration to the political process; administrative organization and process; the political power of bureaucracies; the responsibilities of public servants.

**POL 400 Administration of Urban Government** **3 Sem. Hrs.**

The study of the organization and management characteristics of various types of government entities in urban areas including municipal, county government and other special districts.

**POL 401 Federalism and Intergovernmental Relations** **3 Sem. Hrs.**

Focuses on changing relationships of local-state-federal agencies, expanding role of regional planning boards and recent developments in sharing of federal tax revenue with non-national governments.

**POL 410 The American Chief Executive****3 Sem. Hrs.**

The origin, background and evolution of the Office of the President of the United States; his powers in the area of politics, administration, legislation, and foreign affairs.

**POL 411 Public Opinion and Propaganda****3 Sem. Hrs.**

A course focusing on the development of attitudes and beliefs. The nature of public opinion and propaganda, the methodology of public opinion polling, and the strategy and techniques of influence through use of propaganda, mass media and communications.

**POL 412 Administrative Law****3 Sem. Hrs.**

An investigation of the elements of administrative law, the powers, procedures, liabilities of administrative agencies and officers, and governmental activities in the regulation of agriculture, industry and labor.

**POL 422 American Foreign Policy****3 Sem. Hrs.**

Forces and factors involved in American foreign policy decision-making; criteria for assessing the effectiveness of foreign policies.

**POL 470 Government Internship****9 Sem. Hrs.**

This course is designed to provide practical experience in the application of principles and techniques in various areas of public service under the direction of the instructor in cooperation with administrators of selected public agencies in the state. One hour weekly lectures and conferences and at least nine hours assigned for practical experience weekly in the public agencies.

**AREA II — Comparative Government****POL 350 Government and Politics of Africa****3 Sem. Hrs.**

A course examining certain general characteristics of the governments and politics in the developing nations in Africa. Colonialism, independence movements, and the problems of nation building will also be studied.

**POL 351 Government and Politics of Europe****3 Sem. Hrs.**

A comparative analysis of the organization, functioning, and process of governments and politics in the Soviet Union and selected European nations.

**POL 352 Government and Politics of Asia****3 Sem. Hrs.**

An analysis of the organization, functioning, and process of governments and politics in China, India, Japan, and other Asian nations.

**POL 430 International Politics****3 Sem. Hrs.**

The interplay of political forces in the international community, with emphasis on war-time diplomacy, peace treaties, the alignment and conflicts of nations in the post-war period.

**POL 431 International Organization****3 Sem. Hrs.**

Basic concepts, historical background, evolution, and functioning of international governmental and administrative systems, with primary focus on the United Nations.

**POL 432 International Law****3 Sem. Hrs.**

Rules and practices governing nations in peace and war; the nature, sources, evolution and functioning of various schools of international law; principal law-making and adjudicatory agencies; international personality; treaties, jurisdiction over person and place; diplomatic and consular intercourse; pacific settlement; war and neutrality.

### **AREA III — The Theory, Scope, and Method of Political Science**

#### **POL 450 History of Political Theory I**

**3 Sem. Hrs.**

Political theories and their practical applications from ancient Greece to Jean Bodin. The course seeks to relate political theories to environments and worthy traditions.

#### **POL 460 History of Political Theory II**

**3 Sem. Hrs.**

Continuation of political theory from Hobbes to the present.

#### **POL 461 American Political Ideas**

**3 Sem. Hrs.**

The political ideas of leading American statesmen and publicists, and their influence upon American governmental systems.

#### **POL 471 Research Seminar: Scope and Method of Government**

**3 Sem. Hrs.**

Practical training in writing techniques and research in the field of government with particular attention given to bibliographical materials, footnotes, use of law library facilities and government documents.

#### **POL 480 Senior Seminar**

**3 Sem. Hrs.**

Focus on the intensive independent work by the student on selected topics; preparation and presentation of assigned topics for criticism.

#### **POL 490 Advanced Reading and Research**

**3 Sem. Hrs.**

Supervised reading and research in areas of special interest under supervision of a designated instructor. Prerequisite: Permission of chairman.

### **COURSES IN PSYCHOLOGY**

#### **PSY 210 General Psychology**

**3 Sem. Hrs.**

Basic introduction to the study of psychology as a science and the application of the scientific method in the understanding of behavior. Broad emphasis is placed upon such behavioral phenomena as learning, motivation, emotions, memory and problem solving, personality and development, behavior disorders and therapy.

#### **PSY 220 Principles of Behavior**

**3 Sem. Hrs.**

The principles of behavior derived from both laboratory and applied research settings are presented in a manner that will prepare the student for entry into more advanced courses of varied contents and aid the student in analyzing and understanding the behavior of himself and others. Prerequisite: PSY 210.

#### **PSY 230 Design and Analysis of Experiments**

**3 Sem. Hrs.**

A study of descriptive and sampling statistics; emphasizing measures of central tendency, dispersion, linear regression, and parametric and non-parametric tests of significance. Particular attention will be given to analyzing data from single subject behavioral experiments. Prerequisites: PSY 220, MAT 111, MAT 112 or the consent of the instructor.

#### **PSY 250 Current Topics in Psychology**

**3 Sem. Hrs.**

A survey of the psychological literature concerning problems of contemporary interests. Topics will be selected anew each time that the course is offered from areas with a substantial psychological literature. Topics may include: programmed instruction, transactional analysis, psychology of sex-role identity, psychology of over-population, computers in clinical and research settings. Prerequisites: PSY 210 or the consent of the instructor.



**PSY 300 Drugs and Behavior****3 Sem. Hrs.**

A study of the development and use of drugs in society; their efficacy, safety, regulation, and their proper and improper use. The course will review the behavior effects of the major drug groups: depressants, stimulants, tranquilizers, narcotic analgesics, and the hallucinogens. Prerequisites: PSY 210 or the consent of the instructor.

**PSY 310 Personality and Adjustment****3 Sem. Hrs.**

An investigation of differing views of the development and functioning of the normal personality including a survey of empirical findings related to individual adjustment or maladjustment. Prerequisite: PSY 220 or the consent of the instructor.

**PSY 320 Learning and Motivation****3 Sem. Hrs.**

A review of major orientations to the study of human and animal learning and motivation. A survey of individual and environmental factors affecting learning and performance in several contexts, including the experimental and educational settings. Prerequisite: PSY 210, PSY 220 or consent of the instructor.

**PSY 330 Educational Psychology and Measurements****3 Sem. Hrs.**

This course provides a comprehensive introductory survey of the field of educational psychology, to develop an understanding of the principles, practices and research used in studying the learning process. Prerequisite: PSY 210. Students who have completed EDU 330 Educational Psychology and Measurements may not take this course.

**PSY 340 Human Development****3 Sem. Hrs.**

A survey of factors affecting psychological development from infancy through adult life, with emphasis on the years of most rapid change. Prerequisite: PSY 210. Students who have completed EDU 340 Human Development may not take this course.

**PSY 350 Industrial and Organizational Psychology****3 Sem. Hrs.**

Psychological factors as they influence performance in work settings. Group processes, employee motivation, leadership, selection and training. The analysis and design of jobs and organizations. Prerequisite: PSY 210.

**PSY 360 Social Psychology****3 Sem. Hrs.**

A study of individual behavior as it is affected by social factors. A review of socialization, attitude formation and change, interpersonal attraction, leadership and other behavior in group setting. Prerequisites: PSY 210, PSY 220 or consent of the instructor.

**PSY 370 Biological Foundations of Behavior****3 Sem. Hrs.**

A study of the structure and function of the nervous system as related to learning and sensory-motor processes. The course will include reviews of contemporary research on such topics as biofeedback control, electrical stimulation of the brain and bioelectric recording techniques. Prerequisites: PSY 210, PSY 220 or consent of the instructor.

**PSY 380 Behavior Modification****3 Sem. Hrs.**

A study of the application of learning theory and laboratory findings to behavior problems in educational, clinical and social institutions. The course will review relevant empirical research which demonstrates the effectiveness of behavior modification techniques. Prerequisite: PSY 210 or consent of the instructor.

**PSY 390 Psychological Tests and Measurements****3 Sem. Hrs.**

A survey of the major methods of evaluating and comparing psychological and physical abilities. Consideration is given to methods of measurement, and to basic statistical concepts as they are related to the evaluation, selection, and application of psychological testing. Prerequisite: PSY 210 and three credits in mathematics or consent of the instructor.

**PSY 400 Historical and Conceptual Foundations****3 Sem. Hrs.**

A survey of the development of psychology in historical and socio-cultural perspective. A review of the major historical and contemporary system of psychology, and their relation to the philosophy of science, and to the selection of problems and methodologies. Prerequisites: PSY 210, PSY 220.

**PSY 420 Sensation and Perception****3 Sem. Hrs.**

A consideration of the structure and function of the major sensory systems. The perceptual process as it is affected by physical factors in the environment and by psychological aspects of the perceiving organs. Prerequisites: PSY 210, PSY 220 or consent of the instructor.

**PSY 421 Cognitive and Affective Processes****3 Sem. Hrs.**

Theoretical approaches and research findings relevant to the complex processes of thought, language, problem-solving, decision-making. The relation of these processes to intelligence and creativity. Prerequisites: PSY 210, PSY 220 or consent of the instructor.

**PSY 422 Abnormal Psychology****3 Sem. Hrs.**

A survey of disturbances of personality and behavior, and the major viewpoints of their cause, prevention, and treatment. Prerequisites: PSY 210, PSY 220 or consent of instructor.

**PSY 430 Group Dynamics****3 Sem. Hrs.**

Small group structure, process, and productivity as they are affected by characteristics of the group's environment, members and task. Social interaction leadership, and social influence. Prerequisites: PSY 210 and PSY 220 or consent of instructor.

**PSY 431 Principles of Guidance****3 Sem. Hrs.**

This course is designed to provide one with a knowledge of the meaning, purpose, and aim of guidance. Attention is given to methods of investigation in guidance, methods of guiding students and the results of guidance. Special consideration is given to ways of improving guidance in schools. Prerequisite: PSY 210 or consent of instructor. Students who have taken EDU 431 Principles of Guidance may not schedule this course.

**PSY 432 Principles of Counseling****3 Sem. Hrs.**

This course is designed to help the student understand the various theories of guidance and counseling. Diagnosis will be made of case studies in counseling situations, analysis and observation of interviewing procedures and careful observation of counseling theories and practice in actual situations. Prerequisite: PSY 210 or consent of instructor. Students who have taken EDU 432 Principles of Counseling may not schedule this course.

**PSY 440 Guidance and Counseling Practicum****3 Sem. Hrs.**

The practicum is intended to provide each student with intensively supervised counseling experiences in a true-to-life setting and a chance to share the results of such experiences with his supervisor. Major emphasis is given to the practical and



applied aspects of counseling and to various guidance activities. The practicum comes at the end of a student's training and gives him a chance to tie together all his other courses in theories and techniques and apply them under supervision. Prerequisites: PSY 431, PSY 432 or consent of instructor. Students who have taken EDU 440 Guidance and Counseling Practicum may not schedule this class.

**PSY 450 Experimental Psychology**

**4 Sem. Hrs.**

Lecture and laboratory covering the design, analysis, conduct and interpretation of experimental research in areas of general psychology such as learning and perception. Prerequisites: PSY 210, PSY 220, PSY 230 or consent of instructor.

**PSY 490 Individual Topics in Psychology**

**1-6 Sem. Hrs.**

Supervised library, laboratory, and/or field research in psychology on a topic of mutual instructor-student consent. Credit to be arranged at time of registration. Prerequisites: Nine credits in psychology or consent of instructor.

## **COURSES IN SOCIAL WORK**

**SWK 320 Principles of Social Work**

**3 Sem. Hrs.**

An introductory course dealing with the various areas, processes and functions of social work and the various services and resources which the community provides for the social welfare of its citizens. Prerequisite: SOC 210.

**SWK 350 Community Organization**

**3 Sem. Hrs.**

This course presents an introduction to the theory and practice of community organization concerned with social change. Emphasis is on the organizing process. Prerequisite: SOC 210 and SWK 320.

**SWK 420 Methods of Social Case and Group Work**

**3 Sem. Hrs.**

The fundamentals of case work, group work, and community organization approaches and methods are emphasized. Prerequisite: SOC 210 and SWK 320.

**SWK 430 Seminar In Social Work**

**3 Sem. Hrs.**

Juniors and seniors may enroll for special advanced work. Attention is focused on current issues in social welfare and social work—affording opportunities for studying a variety of points of views and courses of action. It is directed toward a more advanced level of integration for practice as well as to develop awareness of the role of research in the examination of new and developed areas of practice. Current issues in conceptualization of social work are included in these deliberations.

**SWK 450 Agency Laboratory Experience**

**3 Sem. Hrs.**

This course is designed to provide practical experience in the application of principles and techniques in various areas of social service under the direction of the instructor in cooperation with administrators of selected social agencies in the community. Prerequisite: SOC 210 and SWK 320, SWK 420.

## **COURSES IN SOCIOLOGY**

**SOC 210 Principles of Sociology**

**3 Sem. Hrs.**

An examination of the basic concepts and principles of sociology with emphasis on a scientific analysis of culture, personality, social groups and groupings, social institutions, social organizations, population trends and social processes. This is a prerequisite for all courses in sociology.

**SOC 311 Culture and Personality****3 Sem. Hrs.**

A study of the nature of culture, the factors of differences in human behavior and personality, comparisons of selected preliterate and modern groups with regard to social structure. Prerequisites: SOC 210 and ANT 210.

**SOC 330 Marriage and Family Relations****3 Sem. Hrs.**

Analysis of the forms and functions of the family; changing sex roles; marital choice, procreation and socialization; history of American family patterns and effects of contemporary social changes are emphasized. Prerequisite: SOC 210.

**SOC 332 Social Statistics****3 Sem. Hrs.**

Analysis and interpretation of research data. Descriptive statistics (frequency distributions, centrality, variability and correlation of measures) introduction to statistical inferences (normal curve sampling theory, chi square tests of statistical hypothesis, T-tests, analysis of variance and standard score tests). Prerequisites: MAT 120, MAT 121 and SOC 210.

**SOC 340 Crime and Delinquency****3 Sem. Hrs.**

A study of the nature of crime and delinquency as forms of deviant behavior, including theories of causation that relate to both; with a consideration of the justice system of each. Prerequisite: SOC 210.

**SOC 342 Minorities****3 Sem. Hrs.**

An analysis of the status and problems of selected racial, ethnic, and religious minority groups and minority movements. Prerequisite: SOC 210.

**SOC 352 Social Stratification****3 Sem. Hrs.**

A study of classes, caste, estates, status groups and social mobility. Theories of social mobility are examined, a comparison is made of stratification in selected societies. Prerequisite: SOC 210.

**SOC 360 Sociology of Deviant Behavior****3 Sem. Hrs.**

Study of the major theories and types of deviant behavior. Includes an analysis of society's reaction to such behavior. Prerequisite: SOC 210.

**SOC 370 The Sociology of the Black Ghetto****3 Sem. Hrs.**

This course is designed to present an analysis and description of the American Black Ghetto. The student is expected to become familiar with: (1) the forces within the American society which precipitated ghetto living, (2) the life styles and socio-cultural patterns which developed as an adjustment to ghetto life and (3) some possible solutions to the problem of the Black ghetto in American life. Prerequisite: SOC 210.

**SOC 411 Sociological Research Methods****3 Sem. Hrs.**

This course introduces the advanced students to the various sociological research methods. Delineation of a research design, survey, and uses of available data; methods of collecting and analyzing data; testing hypothesis and drawing inferences therefrom. Prerequisites: SOC 210, SOC 332, MAT 120 and MAT 121.

**SOC 422 Collective Behavior****3 Sem. Hrs.**

This is a study of human behavior as expressed through group behavior. An analysis is made of the forces by which changes in the social order come into existence, such as crowds, mobs, mass behavior, public opinion, contemporary social movements, revolutions and reform. Prerequisite: SOC 210.

**SOC 430 Demography****3 Sem. Hrs.**

Study of the distribution, growth, and characteristics of human population and its relationship to social organization. Prerequisite: SOC 210.

**SOC 431 Sociological Theory****3 Sem. Hrs.**

A selective and systematic study of the major writings in the development of modern sociological thought. The sociological theories of the writers are critically examined. Prerequisites: SOC 210 and 21 hours of sociology.

**SOC 442 Urban Sociology****3 Sem. Hrs.**

Urbanism as a way of life, growth and development of urban areas, urban social organization, change and problems of contemporary urban life, ecological patterning, urban planning and problems of control. Prerequisite: SOC 210.

**SOC 470 Social Change and Problems of Adjustment****3 Sem. Hrs.**

A study of the causes, types, and theories of social change; includes problems of personal and social adjustment along with adjustment of contemporary institutions to socio-cultural change. Prerequisite: SOC 210.

**SOC 480 Sociological Seminar****3 Sem. Hrs.**

Readings and discussions on selected problems and issues in sociology including the various areas in sociology with particular interest in the relationship of theory and research. Prerequisite: Senior sociology majors. Required of all liberal arts majors.

## **COURSES IN SPANISH**

**SPA 110 Elementary Spanish****3 Sem. Hrs.**

The course is designed to develop the basic communicative skills; speaking, aural comprehension, writing, and reading. Regular laboratory practice is required.

**SPA 120 Elementary Spanish****3 Sem. Hrs.**

This course continues the development of the basic communicative skills; comprehension, speaking, reading and writing. Regular laboratory practice is required. Prerequisite: SPA 110 or placement examination.

**SPA 211 Intermediate Spanish****3 Sem. Hrs.**

This course will continue the development of the basic skills in the use of the language with emphasis on effecting a greater oral fluency and a broader reading comprehension. Laboratory practice included. Prerequisite: SPA 120 or placement examination.

**SPA 212 Intermediate Spanish****3 Sem. Hrs.**

Emphasis will be on effecting a greater oral fluency and a broader reading comprehension. Language laboratory practice. Prerequisite: SPA 211 or placement examination.

**SPA 311 Spanish Conversation****3 Sem. Hrs.**

The course is designed to develop greater oral proficiency.

**SPA 312 Spanish Conversation and Composition****3 Sem. Hrs.**

This is a continuation of the development of the skills in oral expression with practice and study in the writing of the language. Intonation, dictation, and vocabulary building will be included. Prerequisite: SPA 311.

**SPA 320 Survey of Spanish Literature I****3 Sem. Hrs.**

This course is a comprehensive study of the most representative Spanish authors and their works from earliest times to 1700. Prerequisite: SPA 212.

**SPA 321 Spanish Civilization and Culture****3 Sem. Hrs.**

A study of the civilization of Spain with attention focused on the life, customs, philosophy, art, music, and general cultural patterns of the people. Prerequisite: SPA 212.

**SPA 340 Survey of Spanish Literature II****3 Sem. Hrs.**

This is a continuation of the Survey of Spanish Literature I, with studies from the Eighteenth to the Twentieth Centuries. (This course is designed for students minor-ing in the language). Prerequisite: SPA 320.

**SPA 421 Advanced Grammar and Composition****3 Sem. Hrs.**

The course is a thorough study of syntax and grammar with free composition in Spanish. Prerequisite: SPA 212.

## **COURSES IN SPEECH**

**SPE 200 Introduction to Speech****3 Sem. Hrs.**

An introductory course designed to acquaint the student with the development of language and speech. Study and practice are provided in the basic elements of speech applicable to daily life such as voice, articulation, bodily activity, habituation in good usage, practice in the adaptation of the student to the common types of speaking situations.

**SPE 201 Theatre Practice I****1 Sem. Hr.**

A course designed primarily for Drama Guild members interested in learning the basic mechanics of preparing plays for public presentation. This course is also recommended for majors in other areas who may not desire intensive study in theatre.

**SPE 202 Theatre Practice II****1 Sem. Hr.**

This course is related to, but not necessarily a continuation of Theatre Practice I.

**SPE 211 Phonetics****3 Sem. Hrs.**

A study of the production and transcription of phonetic symbols representing general American speech. Southern and Eastern dialects are considered. Pre-requisite: SPE 200.

**SPE 212 Voice and Diction****3 Sem. Hrs.**

Training the use of proper breathing for good voice production, pause, stress, in-tonation, the control of resonance and the concentration of vocal power. Prerequi-site: SPE 200.

**SPE 221 History of the Theatre I****3 Sem. Hrs.**

A study of the specific conditions under which the great plays of the world have been produced. An analysis is made of the audiences, actors, patrons, and physical conditions, architecture, and the relation of the theatre to the other arts.

**SPE 222 History of the Theatre II****3 Sem. Hrs.**

A continuation of the History of Theatre I from 1650 to the present.

**SPE 231 Play Production****3 Sem. Hrs.**

A study of the practical aspects of dramatics including acting, directing and play



production and its relationship to community life.

**SPE 310 Public Speaking**

**3 Sem. Hrs.**

A course involving the principles of composition and delivery with practice in preparing and presenting short, informative, entertaining, and persuasive speeches. Prerequisite: SPE 200 or consent of department coordinator.

**SPE 311 Oral Interpretation**

**3 Sem. Hrs.**

Study and practice in analysis and presentation of literature suitable for oral interpretation. Consideration is given to techniques of interpretative reading. Problems are considered involving prosody, poetic diction, sound values, rhythm, and imagery in their relation to vocal effectiveness. Prerequisite: SPE 200 or consent of department coordinator.

**SPE 321 Group Discussion**

**3 Sem. Hrs.**

Training and practice in the effective exchange of opinion on frequently considered matters. Prerequisite: SPE 200 or consent of department coordinator.

**SPE 332 Stagecraft and Scene Design**

**3 Sem. Hrs.**

The theory and practice of stage production and design, theatre structure and equipment, problems and practice in scene construction and painting. Lectures and demonstrations. Prerequisite: SPE 231.

**SPE 401 Argumentation and Debate**

**3 Sem. Hrs.**

Principles of effective argument with special attention to reasoning evidence, organization and refutation. Prerequisite: SPE 310.

**SPE 411 Children's Theatre for School and Community**

**3 Sem. Hrs.**

A course designed for the study of materials and procedures of creative dramatics, choral speaking, puppets and formal dramatics. This course is recommended for prospective and in-service teachers on the elementary level. It is also helpful for community workers with children.

**SPE 412 Dramatic Theory and Criticism**

**3 Sem. Hrs.**

A survey of the traditional European and American theories of the drama and the effect of these theories on both criticism and the writing of drama during each period covered.

**SPE 420 Senior Seminar**

**3 Sem. Hrs.**

A discussion of problems in speech and theatre.

## **COURSES IN ZOOLOGY**

**ZOO 111 General Zoology**

**3 Sem. Hrs.**

Activities, structures, methods of reproduction, relationships and importance of major types of animal life (Phylum Protozoa to Annelida) and basic zoological concepts.

**ZOO 112 General Zoology**

**3 Sem. Hrs.**

Activities, structures, methods of reproduction, relationships and importance of major types of animal life (Phylum Mollusca to Phylum Chordata). Prerequisite: ZOO 111.

**ZOO 211 Anatomy and Physiology**

**3 Sem. Hrs.**

A study of the organization of the human body, including systems that support

and move the body as well as those systems that integrate and control the body functions. Prerequisites: BIO 111, BIO 112.

**ZOO 212 Anatomy and Physiology** **3 Sem. Hrs.**

A study of systems that maintain the metabolism of the human body and the reproduction of the human being. Prerequisite: ZOO 211.

**ZOO 311 Comparative Anatomy** **3 Sem. Hrs.**

The study of the early development of the vertebrates, comparative anatomy of the integumentary system, the skeletal system, and muscle system through pectoral muscles. Prerequisites: ZOO 111, ZOO 112, CHE 111 and CHE 112.

**ZOO 312 Comparative Anatomy** **3 Sem. Hrs.**

A continuation and completion of a comparative study of vertebrates and their organ systems: muscle system, sense organs, the coelom and the nervous, digestive, respiratory, circulatory, excretory and reproductive systems. Prerequisites: ZOO 111, ZOO 112, ZOO 311, CHE 111, and CHE 112.

**ZOO 321 Vertebrate Physiology** **3 Sem. Hrs.**

A study of the functions and functional interrelationships of the organs and organ systems of vertebrates. Prerequisites: ZOO 111, ZOO 112, ZOO 311, CHE 111, and CHE 112.

**ZOO 411 Principles of Genetics** **3 Sem. Hrs.**

Fundamental laws of heredity common to living organisms. Prerequisites: ZOO 111, ZOO 112, ZOO 311, ZOO 312, and BOT 211.

**ZOO 421 Vertebrate Embryology** **3 Sem. Hrs.**

The principles and morphology of development of animals from the germ cell to the adult, with special reference to vertebrates. Prerequisites: ZOO 321 and its prerequisites.

**ZOO 431 Histology and Microtechniques** **3 Sem. Hrs.**

A study of tissue structure of living organisms with theory and practice of preparing temporary and permanent histological mounts for microscopic study. Prerequisite: ZOO 321 and its prerequisites.

**ZOO 441 Introduction to Entomology** **3 Sem. Hrs.**

Anatomy, physiology, classification and development of insects. Prerequisites: ZOO 111 and ZOO 112.

**ZOO 450 Introduction to Parasitology** **3 Sem. Hrs.**

General principles of parasitology with some emphasis on physiological and morphological adaptation of parasites to hosts. Prerequisites: ZOO 431 and its prerequisites.



## FACULTY

- Mary M. Atwater ..... (On Leave) Natural Sciences  
B.S. Methodist College; M.A. University of North Carolina
- Alfred Belsma ..... Business Administration  
B.S. University of Oregon; M.B.A. University of Michigan
- Robert C. Dart ..... Political Science  
B.S. United States Military Academy; M.A. Columbia University;  
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- Chandler Dennis ..... Natural Sciences  
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- Carl C. Hughes ..... Mathematics  
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